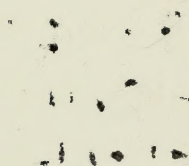



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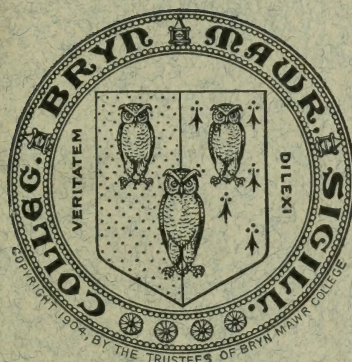
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BRYN MAWR COLLEGE

CALENDAR

GRADUATE COURSES

1910



BRYN MAWR, PENNSYLVANIA.
Published by Bryn Mawr College,
March, 1910.

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BRYN MAWR COLLEGE CALENDAR.

1910.

PART 1. Register of Alumnæ and Former Students.

PART 2. Graduate Courses.

PART 3. Undergraduate and Graduate Courses.

PART 4. Academic Buildings and Halls of Residence,
Plans and Descriptions.

BRYN MAWR COLLEGE.

COLLEGE CALENDAR.

1910.														1911.													
JANUARY.							JULY.							JANUARY.							JULY.						
Su.	M.	Tu.	W.	Th.	Fr.	Sa.	Su.	M.	Tu.	W.	Th.	Fr.	Sa.	Su.	M.	Tu.	W.	Th.	Fr.	Sa.	Su.	M.	Tu.	W.	Th.	Fr.	Sa.
..	..	..	..	..	..	1	..	..	..	..	..	1	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2	3	4	5	6	7	8	3	4	5	6	7	8	9	1	2	3	4	5	6	7	8	9	10	11	12	13	14
9	10	11	12	13	14	15	10	11	12	13	14	15	16	15	16	17	18	19	20	21	17	18	19	20	21	22	23
16	17	18	19	20	21	22	17	18	19	20	21	22	23	22	23	24	25	26	27	28	24	25	26	27	28	29	30
23	24	25	26	27	28	29	24	25	26	27	28	29	30	29	30	31	..	..	..	..	..	..	..	..	..	..	..
30	31	..	..	..	..	..	31	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
FEBRUARY.							AUGUST.							FEBRUARY.							AUGUST.						
..	..	1	2	3	4	5	..	1	2	3	4	5	6	..	..	..	1	2	3	4	..	..	..	..	..	..	..
6	7	8	9	10	11	12	7	8	9	10	11	12	13	5	6	7	8	9	10	11	12	13	14	15	16	17	
13	14	15	16	17	18	19	14	15	16	17	18	19	20	12	13	14	15	16	17	18	19	20	21	22	23	24	
20	21	22	23	24	25	26	21	22	23	24	25	26	27	19	20	21	22	23	24	25	26	27	28	29	30	..	
27	28	..	..	..	..	..	28	29	30	31	..	..	..	26	27	28	..	..	..	..	..	..	..	..	..	..
..
MARCH.							SEPTEMBER.							MARCH.							SEPTEMBER.						
..	..	1	2	3	4	5	..	..	..	1	2	3	4	..	..	..	1	2	3	4	..	..	..	..	..	..	..
6	7	8	9	10	11	12	4	5	6	7	8	9	10	5	6	7	8	9	10	11	12	13	14	15	16	17	
13	14	15	16	17	18	19	11	12	13	14	15	16	17	12	13	14	15	16	17	18	19	20	21	22	23	24	
20	21	22	23	24	25	26	18	19	20	21	22	23	24	19	20	21	22	23	24	25	26	27	28	29	30	..	
27	28	29	30	31	..	..	25	26	27	28	29	30	..	26	27	28	29	30	31	..	..	..	..	..	..	..	..
..
APRIL.							OCTOBER.							APRIL.							OCTOBER.						
..	..	..	..	1	2	3	..	..	..	..	..	1	2	..	..	..	..	..	..	1	..	..	..	..	..	..	..
3	4	5	6	7	8	9	2	3	4	5	6	7	8	2	3	4	5	6	7	8	9	10	11	12	13	14	
10	11	12	13	14	15	16	9	10	11	12	13	14	15	9	10	11	12	13	14	15	16	17	18	19	20	21	
17	18	19	20	21	22	23	16	17	18	19	20	21	22	16	17	18	19	20	21	22	23	24	25	26	27	28	
24	25	26	27	28	29	30	23	24	25	26	27	28	29	23	24	25	26	27	28	29	30	..	..	..	..	..	..
..	..	..	..	..	..	..	30	31	..	..	..	..	..	30	..	..	..	..	..	..	..	..	..	..	..	..	..
MAY.							NOVEMBER.							MAY.							NOVEMBER.						
1	2	3	4	5	6	7	..	..	1	2	3	4	5	..	..	..	1	2	3	4	5	6	7	8	9	10	11
8	9	10	11	12	13	14	6	7	8	9	10	11	12	7	8	9	10	11	12	13	14	15	16	17	18	19	
15	16	17	18	19	20	21	13	14	15	16	17	18	19	14	15	16	17	18	19	20	21	22	23	24	25	26	
22	23	24	25	26	27	28	20	21	22	23	24	25	26	21	22	23	24	25	26	27	28	29	30	..	..	..	..
29	30	31	..	..	..	..	27	28	29	30	..	..	..	28	29	30	31	..	..	..	..	..	..	..	..	..	..
..
JUNE.							DECEMBER.							JUNE.							DECEMBER.						
..	..	..	1	2	3	4	..	..	..	..	1	2	3	..	..	..	1	2	3	4	5	6	7	8	9	10	11
5	6	7	8	9	10	11	4	5	6	7	8	9	10	4	5	6	7	8	9	10	11	12	13	14	15	16	
12	13	14	15	16	17	18	11	12	13	14	15	16	17	11	12	13	14	15	16	17	18	19	20	21	22	23	
19	20	21	22	23	24	25	18	19	20	21	22	23	24	18	19	20	21	22	23	24	25	26	27	28	29	30	
26	27	28	29	30	..	..	25	26	27	28	29	30	31	25	26	27	28	29	30	31	..	..	..	..	..	..	..
..

The academic year will close with the Conferring of Degrees at eleven o'clock, on June 8th, 1911.

ACADEMIC YEAR, 1910-11.

September 27th.	Matriculation examinations begin.
October 3rd.	Registration of students. Halls of Residence open for students at three p. m.
October 4th.	Registration of students. Matriculation examinations end.
October 5th.	The work of the twenty-sixth academic year begins at a quarter to nine o'clock.
October 6th.	Examinations for advanced standing begin.
October 27th.	Examinations for advanced standing end.
October 22nd.	Senior oral examination in French.
October 29th.	Senior oral examination in German.
November 14th.	Private reading examinations begin. Collegiate and matriculation condition examinations begin.
November 19th.	Private reading examinations end.
November 22nd.	Collegiate and matriculation condition examinations end.
November 23rd.	Thanksgiving vacation begins at one o'clock.
November 28th.	Thanksgiving vacation ends at nine o'clock.
December 3rd.	Senior oral examinations in French and German.
December 21st.	Christmas vacation begins at one o'clock.
January 5th.	Christmas vacation ends at nine o'clock.
January 9th.	Private reading examinations begin.
January 14th.	Private reading examinations end.
January 25th.	Half-yearly collegiate examinations begin.
January 31st.	Matriculation examinations begin.
February 4th.	Collegiate examinations end. Annual meeting of the Alumnae Association.
February 6th.	Vacation.
February 7th.	Vacation. Matriculation examinations end.
February 8th.	The work of the second semester begins at a quarter to nine o'clock.
February 9th.	Examinations for advanced standing begin.
March 2nd.	Examinations for advanced standing end.
March 13th.	Private reading examinations begin.
March 18th.	Private reading examinations end. Senior oral examinations in French and German.
March 29th.	Mid-semester examinations in matriculation Greek, German and French.
April 3rd.	Collegiate and matriculation condition examinations begin.
April 11th.	Collegiate and matriculation condition examinations end.
April 12th.	Easter vacation begins at one o'clock.
April 20th.	Easter vacation ends at nine o'clock.

May 13th.	Senior oral examinations in French and German.
May 15th.	Private reading examinations begin.
May 20th.	Private reading examinations end.
May 23rd.	Vacation.
May 24th.	Collegiate examinations begin.
June 1st.	Matriculation examinations begin.
June 3rd.	Collegiate examinations end.
June 7th.	Matriculation examinations end.
June 8th.	Conferring of degrees and close of twenty-sixth academic year.

ACADEMIC YEAR 1911-12.

September 26th.	Matriculation examinations begin.
October 2nd.	Registration of students. Halls of Residence open for students at three p. m.
October 3rd.	Registration of students. Matriculation examinations end.
October 4th.	The work of the twenty-seventh academic year begins at a quarter to nine o'clock.

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ALEXANDER C. WOOD.

FREDERIC H. STRAWBRIDGE.

M. CAREY THOMAS.

ANNA RHOADS LADD.

ACADEMIC APPOINTMENTS.

ACADEMIC YEAR, 1909-10.

M. CAREY THOMAS, PH.D., LL.D., *President of the College and Professor of English.*

A.B., Cornell University, 1877; studied at the Johns Hopkins University, 1877-78; University of Leipsic, 1879-82; Ph.D., University of Zürich, 1882; Sorbonne and Collège de France, 1883; Dean of the Faculty of Bryn Mawr College and Professor of English, 1885-94.

CHARLOTTE ANGAS SCOTT, D.Sc., *Alumnæ Professor of Mathematics.*

Lincoln, England. Graduate in Honours, Girton College, University of Cambridge, England, 1880; B.Sc., University of London, 1882; Lecturer on Mathematics in Girton College, 1880-84; lectured in connection with Newnham College, University of Cambridge, England, 1880-83; D.Sc., University of London, 1885.

GEORGE A. BARTON, PH.D., *Professor of Biblical Literature und Semitic Languages.*

A.B., Haverford College, 1882, and A.M., 1885; studied under the direction of the American Institute of Hebrew, 1885-86; Harvard University, 1888-91; Thayer Scholar, Harvard University, 1889-91; A.M., Harvard University, 1890; Ph.D., Harvard University, 1891; Director of the American School of Oriental Study and Research in Palestine, 1902-03.

JOSEPH W. WARREN, M.D., *Associate Professor of Physiology.*

A.B., Harvard College, 1871; University of Berlin, 1871-72; University of Leipsic, 1872-73; University of Bonn, 1873-79; M.D., University of Bonn, 1880; Assistant and Instructor in Physiology, Harvard Medical School, 1881-91; Lecturer in Medical Department of the University of the City of New York, 1885-86; Lecturer in Physiology, University of Michigan, 1889.

ELMER P. KOHLER, PH.D., *Professor of Chemistry.*

A.B., Muhlenberg College, 1886, and A.M., 1889; Johns Hopkins University, 1889-91; Fellow in Chemistry, Johns Hopkins University, 1891-92; Ph.D., Johns Hopkins University, 1892.

FLORENCE BASCOM, PH.D., *Professor of Geology.*

A.B., University of Wisconsin, 1882, B.Sc., 1884, and A.M., 1887; Johns Hopkins University, 1891-93; Ph.D., Johns Hopkins University, 1893; Assistant in Geology and Instructor in Petrography, Ohio State University, 1893-95.

ISABEL MADDISON, B.Sc., PH.D., *Assistant to the President and Associate in Mathematics.*

Reading, England. B.Sc., University of London, 1893, Ph.D., Bryn Mawr College, 1896, and B.A., Trinity College, Dublin, 1905; Graduate in Honours, First Class, in the Cambridge Mathematical Tripos, 1892; Graduate Student in Mathematics, Bryn Mawr College, 1892-93, and Fellow in Mathematics, 1893-94; Holder of the Mary E. Garrett European Fellowship, and Student in Mathematics, University of Göttingen, 1894-95.

WILMER CAVE WRIGHT, PH.D., *Associate Professor of Greek.*

Shrewsbury, England. Girton College, University of Cambridge, England, 1888-92; Graduate in Honours, Cambridge Classical Tripos, 1892; Ph.D., University of Chicago, 1895; Fellow in Greek, Bryn Mawr College, 1892-93; Fellow in Latin, University of Chicago, 1893-94, and Fellow in Greek, 1894-95; Reader in Greek and Latin, University of Chicago, 1895-96.

JAMES H. LEUBA, PH.D., *Professor of Psychology and Education and Director of the Psychological Laboratory.*

Neuchâtel, Switzerland. B.S., University of Neuchâtel, 1886; Ph.B., Ursinus College, 1888; Scholar in Psychology, Clark University, 1892-93; Fellow in Psychology, Clark University, 1893-95; Ph.D., Clark University, 1896.

FONGER DELIAAN, PH.D., *Professor of Spanish.*

Leeuwarden, Holland. Ph.D., Johns Hopkins University, 1895; Instructor in Modern Languages, Lehigh University, 1885-91; Fellow in Romance Languages, Johns Hopkins University, 1893-94, Assistant in Romance Languages, 1893-95, Instructor in Romance Languages, 1895-96, and Associate in Romance Languages, 1896-97.

ALBERT SCHINZ, PH.D., *Associate Professor of French Literature.*

Neuchâtel, Switzerland. A.B., University of Neuchâtel, 1888, and A.M., 1889. Licentiate in Theology, 1892; Student, University of Berlin, 1892-93; University of Tübingen, 1893; Ph.D., University of Tübingen, 1894; Sorbonne and Collège de France, 1894; Privatdocent, University of Neuchâtel, 1896-97; Instructor in French, Clark University, 1897-98; Instructor in French, University of Minnesota, 1898-99.

ARTHUR LESLIE WHEELER, PH.D., *Professor of Latin.*

A.B., Yale University, 1893; Scholar and Student in Classics, Yale College, 1893-96; Ph.D., Yale University, 1896; Instructor and Tutor in Latin Yale College, 1894-1900.

HENRY NEVILL SANDERS,* PH.D., *Professor of Greek.*

Edinburgh, Scotland. A.B., Trinity University, Toronto, 1894, and A.M., 1897; Ph.D., Johns Hopkins University, 1903; Fellow in Greek, Johns Hopkins University, 1897-98; Lecturer in Greek, McGill University, 1900-02.

WILLIAM BASHFORD HUFF, PH.D., *Professor of Physics.*

A.B., University of Wisconsin, 1889; A.M., University of Chicago, 1896; Ph.D., Johns Hopkins University, 1900; Lecture Assistant in Physics, Johns Hopkins University, 1899-1900, Assistant in Physics, 1900-01, and Instructor in Physics, 1901-02.

WILLIAM ROY SMITH, PH.D., *Associate Professor of History.*

A.B., University of Texas, 1897, and A.M., 1898; Ph.D., Columbia University, 1903; Acting Professor of History and Political Science, University of Colorado, 1900-01; Lecturer in History, Barnard College, 1901-02.

J. EDMUND WRIGHT,† M.A., *Associate Professor of Mathematics.*

Liverpool, England. Graduate in Honours (Senior Wrangler) in the Cambridge Mathematical Tripos, 1900, and First Division, First Class, Mathematical Tripos, Part II, 1901; Smith's Prizeman, 1902; Fellow of Trinity College, University of Cambridge, England.

LUCY MARTIN DONNELLY, A.B., *Associate Professor of English.*

A.B., Bryn Mawr College, 1893; University of Oxford, England, and University of Leipsic, 1893-94, Sorbonne and Collège de France, and University of Leipsic, 1894-95.

CLARENCE CARROLL CLARK, PH.D., *Associate Professor of English.*

A.B., Johns Hopkins University, 1896; Ph.D., Yale University, 1903; Scholar in Romance Languages, Johns Hopkins University, 1896-97; Instructor in Modern Languages, Toledo, Ohio, 1897-99; Scholar in English, Yale University, 1901-02; Student in Oxford, Cambridge, and Berlin, 1902-03.

KARL DETLEV JESSEN, PH.D., *Associate Professor of German Literature.*

Winnemark, Schleswig-Holstein, Germany. A.B., University of Chicago, 1896, and Fellow in German, 1897-98; Ph.D., University of Berlin, 1901; University of Chicago, 1895-98; University of Kiel, 1899; University of Berlin, 1898-99, 1899-1901; Acting Professor of Modern Languages, Eureka College, 1896; Instructor in German, Iowa State University, 1897; Instructor in German, Harvard University, 1901-03, and Lecturer on German Literature and Aesthetics, 1904.

TENNEY FRANK, PH.D., *Associate Professor of Latin.*

A.B., University of Kansas, 1898, and A.M., 1899; Ph.D., University of Chicago, 1903; Fellow, University of Chicago, 1899-1901; Assistant and Associate in Latin, University of Chicago, 1901-04.

*Granted leave of absence for the second semester.

†Died, February 20, 1910.

DAVID HILT TENNENT, PH.D., *Associate Professor of Biology.*

S.B., Olivet College, 1900; Fellow, Johns Hopkins University, 1902-04; Bruce Fellow, Johns Hopkins University, 1904; Ph.D., Johns Hopkins University, 1904.

NETTIE MARIA STEVENS, PH.D., *Associate in Experimental Morphology.*

A.B., Leland Stanford, Jr., University, 1899, and A.M., 1900; Ph.D., Bryn Mawr College, 1903; Student in Hopkins Seaside Laboratory, Pacific Grove, Summer, 1897, 1898, 1899, and 1900; Graduate Scholar in Biology, Bryn Mawr College, 1900-01; Holder of the President's European Fellowship, 1901-02; Student, Zoological Station, Naples, and University of Würzburg, 1901-02, 1908-09; Fellow in Biology, Bryn Mawr College, 1902-03, and Research Fellow in Biology, 1903-04; Carnegie Research Assistant, 1904-05; Alice Freeman Palmer Research Fellow, 1908-09.

CARLETON FAIRCHILD BROWN, PH.D., *Associate Professor of English Philology.*

A.B., Carleton College, 1888; A.M., Harvard University, 1901, and Ph.D. 1903. Shattuck Scholar, Harvard University, 1901-03; Instructor in English, Harvard University, 1903-05.

CAROLINE LOUISE RANSOM, PH.D., *Associate Professor of the History of Art and Classical Archaeology.*

A.B., Mt. Holyoke College, 1896; A.M., University of Chicago, 1900 and Ph.D., 1905; Fellow, University of Chicago, 1898-99, 1903-05; Student in Berlin, London, Paris, and Athens, 1900-03.

JAMES BARNES, PH.D., *Associate in Physics.*

Halifax, Nova Scotia. B.A., Dalhousie University, Honours in Mathematics and Physics, 1899, and M.A., 1900; Ph.D., Johns Hopkins University, 1904. Holder of 1851 Exhibition Science Research Scholarship, 1900-03; Fellow, Johns Hopkins University, 1903-04, and Assistant in Physics, 1904-06.

RICHARD THAYER HOLBROOK, PH.D., *Associate Professor of French Philology and Italian.*

A.B., Yale University, 1893; Ph.D., Columbia University, 1902. Sorbonne, Collège de France, Ecole des Chartes, 1893-94, 1895-96; Student in Italy and University of Berlin, 1894-95; Student in Spain, 1901; Tutor in the Romance Languages and Literatures, Yale University, 1896-1901, and Columbia University, 1902-06.

THEODORE DE LEO DE LAGUNA, PH.D., *Associate Professor of Philosophy.*

A.B., University of California, 1896, and A.M., 1899; Ph.D., Cornell University, 1901. Teacher in the Government Schools of the Philippine Islands, 1901-04; Honorary Fellow and Assistant in Philosophy, Cornell University, 1904-05; Assistant Professor of the Philosophy of Education, University of Michigan, 1905-07.

CHARLES CLARENCE WILLIAMSON, PH.D., *Associate in Economics and Politics.*

A.B., Western Reserve University, 1904; Ph.D., Columbia University, 1907. Assistant in Economics and Graduate Student, Western Reserve University, First Semester, 1904-05; Scholar in Political Economy, University of Wisconsin, 1904-05; Graduate Student, University of Wisconsin, 1905-06; University Fellow in Political Economy, Columbia University, 1906-07; Research Assistant of the Carnegie Institution, 1905-07.

HANS WEYHE, PH.D., *Associate in Teutonic Philology and Sanskrit.*

Dessau, Germany. Ph.D., University of Leipsic, 1903; University of Munich, 1897; University of Leipsic, 1897-99; University of Berlin, 1899-1901.

MARION PARRIS, PH.D., *Associate in Economics and Politics.*

A.B., Bryn Mawr College, 1901, and Ph.D., 1909. Graduate Student, Bryn Mawr College, 1902-05, Fellow in Economics and Politics, 1905-06; Bryn Mawr College Research Fellow and Student in Economics and Politics, University of Vienna, 1906-07.

WILLIAM HENRY ALLISON, PH.D., *Associate in History.*

A.B., Harvard University, 1893; B.D., Newton Theological Institution, 1902; Ph.D., University of Chicago, 1905; Fellow in Church History, University of Chicago, 1902-04; Professor of Church History, Pacific Theological Seminary, 1904-05; Professor of History and Political Science, Franklin College, 1905-08; Research Assistant of the Carnegie Institution, 1906-08.

FREDERICK HUTTON GETMAN, PH.D., *Associate in Chemistry.*

Ph.D., Johns Hopkins University, 1903. Rensselaer Polytechnic Institute, 1893-96; University of Virginia, 1896-97; Fellow in Chemistry, Johns Hopkins University, 1902-03, and Fellow by Courtesy, 1903-04; Carnegie Research Assistant in Physical Chemistry, 1903-04; Lecturer in Physical Chemistry, College of the City of New York, 1904-05, and Lecturer in Physics, Columbia University, 1907-08.

M. PHILLIPS MASON, PH.D., *Associate in Philosophy.*

A.B., Harvard University, 1899, A.M., 1900, and Ph.D., 1904. Corpus Christi College, University of Oxford, 1899-1900; Universities of Heidelberg and Berlin, 1900-01; University of Marburg, 1901-02; Sorbonne and Collège de France, 1902; Harvard University, 1902-04; John Harvard Fellow of Harvard University, 1902-03; Instructor in Philosophy, Princeton University, 1905-07.

CLARENCE ERROL FERREE, PH.D., *Associate in Experimental Psychology.*

B.S., Ohio Wesleyan University, 1900, A.M., 1901, and M.S., 1902; Ph.D., Cornell University, 1909. Fellow in Psychology, Cornell University, 1902-03; Assistant in Psychology, Cornell University, 1903-07.

MARION REILLY, A.B., *Dean of the College and Reader in Philosophy.*

A.B., Bryn Mawr College, 1901; Graduate Student, Bryn Mawr College, 1901-02, 1903, 1903-06; Newnham College, University of Cambridge, Spring, 1907.

SAMUEL ARTHUR KING, M.A., *Non-Resident Lecturer in English Diction.*

Tynemouth, England. M.A., University of London, 1900. Special Lecturer in Elocution, Johns Hopkins University, 1901; Special Lecturer in Elocution, University of California, 1902.

ORIE LATHAM HATCHER, PH.D., *Lecturer in Elizabethan Literature.*

A.B., Vassar College, 1888. Ph.D., University of Chicago, 1903. Graduate Student, University of Chicago, 1901-03, and Fellow in English, 1903-04.

CHESTER ALBERT REEDS, M.S., *Lecturer in Geology.*

B.S., University of Oklahoma, 1905; M.S., Yale University, 1907; Graduate Scholar, Yale University, 1905-06; and Fellow, 1906-08. Field Assistant, U. S. Geological Survey, 1903-06; Instructor in Mineralogy and Petrology, University of Oklahoma, February to June, 1908.

FREDERICK A. BLOSSOM, *Lecturer in French.*

A.B., Amherst College, 1898; Johns Hopkins University, 1903-04, 1909. Student of Romance Languages in Paris and Grenoble, 1905-08.

ROLAND G. KENT, PH.D., *Non-resident Lecturer in Sanskrit.*

A.B., Swarthmore College, 1895, B.L., 1896 and A.M., 1898. Ph.D., University of Pennsylvania, 1903. Student, Universities of Berlin and Munich and the American School of Classical Studies at Athens, 1899-1902; University of Pennsylvania Second Semester, 1902, Harrison Fellow in Classics, 1902-03, Harrison Research Fellow in Classics, 1903-04, Instructor in Greek and Latin, 1904-09, and Assistant Professor of Comparative Philology, 1909-10.

ROSE CHAMBERLIN, M.A., *Reader in German.*

Great Yarmouth, England. M.A., Trinity College, Dublin, 1905; Graduate in Honours, Newnham College, University of Cambridge, England, 1886 (Mediæval and Modern Languages Tripos, First Class).

HARRIET RANDOLPH, PH.D., *Demonstrator in Biology and Reader in Botany.*

A.B., Bryn Mawr College, 1889; Fellow in Biology, Bryn Mawr College, 1889-90; University of Zürich, 1890-92; Ph.D., University of Zürich, 1892.

KATHARINE FULLERTON, A.M., *Reader in English.*

A.B., Radcliffe College, 1900, and A.M., 1901.

REGINA KATHARINE CRANDALL, PH.D., *Reader in English.*

A.B., Smith College, 1890; Ph.D., University of Chicago, 1902. Graduate Student, University of Chicago, 1893-94, and Fellow in History, 1894-96; Assistant in History, Smith College, 1896-99; Instructor in History, Wellesley College, 1899-1900.

GEORGIANA GODDARD KING, A.M., *Reader in English.*

A.B., Bryn Mawr College, 1896, and A.M., 1897. Fellow in Philosophy, Bryn Mawr College, 1896-97, and Fellow in English, 1897-98. Collège de France, First Semester, 1898-99.

ABBY KIRK, A.B., *Reader in Elementary Greek.*

A.B., Bryn Mawr College, 1892. Reader in English, Bryn Mawr College, 1892-98.

MAUD DOWNING, A.B., *Reader in Semitic Languages.*

A.B., University of Toronto, 1902. Graduate Student, University of Toronto, 1902-03; Graduate Scholar, Bryn Mawr College, 1903-07; Honorary Fellow in Semitic Languages, Johns Hopkins University, 1908-09.

CLARA LEONORA NICOLAY, PH.D., *Reader in Elementary French.*

Berlin, Germany. L.L.A., St. Andrew's University, 1900; A.M., University of Pennsylvania, 1901, and Ph.D., 1907. University College, Nottingham, England, 1892-97; Student in France and Germany, 1903.

VIRGINIA RAGSDALE, PH.D., *Reader in Mathematics.*

S.B., Guilford College, 1892. Graduate Scholar in Mathematics, Bryn Mawr College, 1892-93, and Graduate Student, Bryn Mawr College, 1893-97, 1907-08. A.B., Bryn Mawr College, 1896, and Ph.D., 1906. Holder of the Bryn Mawr European Fellowship, and Assistant Demonstrator in Physics, Bryn Mawr College, 1896-97; Student, University of Göttingen, 1897-98; Holder of Fellowship of the Baltimore Association for the Promotion of the University Education of Women, Graduate Scholar, and Fellow by Courtesy in Mathematics, Bryn Mawr College, 1901-02, and Fellow in Mathematics, 1902-03.

LILLIE DEMING LOSHE, PH.D., *Reader in English.*

A.B., Bryn Mawr College, 1899; A.M., Columbia University, 1903, and Ph.D., 1908. Graduate Student, Barnard College, 1899-1900; Columbia University, 1901-04, First Semester, 1904-05, and 1905-07.

CONTENT SHEPARD NICHOLS, A.M., *Reader in English.*

A.B., Bryn Mawr College, 1899, and A.M., 1900. Graduate Scholar in Latin and English, Bryn Mawr College, 1899-1900; Assistant Reader in English, Bryn Mawr College, 1900.

ELIZABETH ANDROS FOSTER, A.M., *Reader in Latin.*

A.B., Bryn Mawr College, 1908, and A.M., 1909. Graduate Scholar in Latin, Bryn Mawr College, 1908-09.

ISABELLE STONE, PH.D., *Reader in Greek.*

A.B., Wellesley College, 1905, and Ph.D., Cornell University, 1908. Graduate Student, Cornell University, 1905-07, and Fellow in Greek and Latin, 1907-08; Alice Freeman Palmer Fellow of Wellesley College and Student in Greece and Italy, 1908-09.

HELEN ELIZABETH HUFF, PH.D., *Reader in Mathematics.*

A.B., Dickinson College, 1903, A.M., 1905, and Ph.D., Bryn Mawr College, 1908. Graduate scholar in Mathematics, Bryn Mawr College, 1903-04, and Graduate Student in Physics, 1907-08; Fellow in Physics, Bryn Mawr College, 1904-05; Holder of the Mary E. Garrett European Fellowship and Student, University of Göttingen, 1905-06; Demonstrator in Physics, Bryn Mawr College, 1906-07; Teacher in the Baldwin School, Bryn Mawr, Pa., 1907-08.

FRANCES LOWATER, B.Sc., Ph.D., *Demonstrator in Physics.*

Nottingham, England, B.Sc., University of London, 1900; Ph.D., Bryn Mawr College, 1906; University College, Nottingham, 1888-91, 1892-93; Newnham College, University of Cambridge, England, 1891-92; Fellow in Physics, Bryn Mawr College, 1896-97, and Graduate Scholar in Physics, 1897-98; Secretary of Bryn Mawr College, 1898-99.

GERTRUDE LANGDEN HERITAGE, A.M., *Demonstrator in Chemistry.*

A.B., Bryn Mawr College, 1896, and A.M., 1899. Graduate Student in Chemistry, Bryn Mawr College, 1896-97, 1898-1900, and Graduate Student in Mathematics and Chemistry, 1897-98.

CAROLINE VINIA LYNCH, A.M., *Demonstrator in the History of Art and Classical Archaeology.*

A.B., Smith College, 1894, and A.M., Columbia University, 1908. American School of Classical Studies in Rome, 1904-05; Columbia University, 1906-07; Radcliffe College, 1895-96, 1907-09.

ANNA BELL LAWTHOR, A.B., *Secretary of the College.*

A.B., Bryn Mawr College, 1897. Assistant Bursar, Bryn Mawr College, 1898-1900; Graduate Student, Bryn Mawr College, 1898-99, 1904-05; Warden of Merion Hall, 1904, 1904-05.

ETHEL WALKER, A.M., *Recording Secretary and Appointment Secretary.*

A.B., Bryn Mawr College, 1894, and A.M., 1904. Graduate Scholar in Archaeology, Bryn Mawr College, 1902-04; Recording Secretary, 1904-06, 1907-10 and Appointment Secretary, 1905-10.

MARY LETITIA JONES, B.L., B.L.S., *Librarian.*

B.L., University of Nebraska, 1885; B.L.S., New York State Library School, 1892. Acting Librarian and Adjunct Professor of Bibliography, University of Nebraska, 1892-97; Librarian and Assistant Professor of Library Economy, University of Illinois, 1897; Classifier, Iowa State University, 1898; Second Assistant Librarian, Los Angeles Public Library, 1898-99, and Librarian, 1900-05.

CONSTANCE M. K. APPLEBEE, *Director of Athletics and Gymnastics.*

Licentiate, British College of Physical Education, 1898, and Member, 1899. Gymnasium Mistress, Girls' Grammar School, Bradford, Yorkshire, 1899-1900; in the Arnold Foster High School, Burnley, Yorkshire, 1899-1901; in the High School, Halifax, Yorkshire, 1900-01; Head of Private Gymnasium, Ilkley, Yorkshire, 1899-1901; Harvard School of Physical Training, Summer, 1901; Hockey Coach, Vassar College, Wellesley College, Radcliffe College, Mt. Holyoke College, Smith College, Bryn Mawr College, Boston Normal School of Gymnastics, 1901-04; Hockey Coach, Harvard Summer School of Gymnastics, 1906.

ELIZABETH LAWRENCE GRAY, *Assistant Director of Athletics and Gymnastics.*

Graduate, Sargent Normal School of Physical Education, Boston, Mass., 1908. Student, Gilbert Summer Normal School of Classic Dancing, 1908; Instructor in Gymnastics, Playgrounds, Cambridge, Mass., Summer, 1908, 1909.

MARY ELLEN BAKER, A.B., B.L.S., *Head Cataloguer.*

A.B., Lincoln University, 1900. B.L.S., New York State Library School, 1908. Assistant in Latin, Missouri Valley College, 1901-05, and Librarian, 1902-06. Illinois State Library School, 1906-07; New York State Library School, 1907-08.

BESSIE HOMER JENNINGS, *Assistant Cataloguer.*

Graduate, Drexel Institute Library School, 1900.

MARY WARREN TAYLOR, *Secretary to the Director of Athletics and Gymnastics.*

THOMAS F. BRANSON, M.D., *Attending Physician of the College.*

ANNE HEATH THOMAS, A.M., M.D., *Visiting Physician of the College.*

A.B., Bryn Mawr College, 1897, and A.M., 1898. M.D., Woman's Medical College of Pennsylvania, 1905. Graduate Scholar in Physics and Biology, Bryn Mawr College, 1897-98; Teacher of Chemistry in the State Normal School, Trenton, N. J., 1898-1902; Student, Woman's Medical College of Pennsylvania, 1902-05; Interne, Woman's Hospital of Philadelphia, 1905-06; Resident at the Evening Dispensary for Working Women and Girls, Baltimore, Md., and Graduate Student in Medicine, Johns Hopkins University, 1906-07; Physician, Registrar and Assistant in Clinic in the Woman's Hospital, Philadelphia, and Assistant in Clinic in the Hospital of the Woman's Medical College of Pennsylvania, 1907-08; Instructor in Therapeutics and Physical Diagnosis, Woman's Medical College, and Assistant Visiting Physician, Bryn Mawr College, 1908-09.

HELEN MURPHY, M.D., *Examining Oculist.*

M.D., Woman's Medical College of Pennsylvania, 1893; Assistant Demonstrator in Histology, Woman's Medical College of Pennsylvania, 1894-96; Instructor in Materia Medica, 1896-1902; Instructor in Diseases of the Eye, Philadelphia Polyclinic and College for Graduates in Medicine, 1895-97.

The following physicians have consented to serve as consultants in special cases:

ELLA B. EVERITT, M.D., *Consultant Gynecologist.*

JOHN H. MUSSER, M.D., *Consultant Physician.*

GEORGE DE SCHWEINITZ, M.D., *Consultant Oculist.*

ROBERT G. LE CONTE, M.D., *Consultant Surgeon.*

FRANCIS R. PACKARD, M.D., *Consultant Aurist.*

JAMES K. YOUNG, M.D., *Consultant Orthopædist.*

The Academic Committee of the Alumnæ.

RUTH WADSWORTH FURNESS PORTER, A.B. (Mrs. James Foster Porter),
Chairman, HUBBARD WOODS, ILL.

EVELYN WALKER, A.B., *Secretary*, 119 Park Street, BROOKLINE, MASS.

ELEANOR LOUISA LORD, PH.D., *Woman's College of Baltimore*, BALTIMORE, MD.

SUSAN FOWLER, A. B. (*ex-officio*), 420 West 118th Street, NEW YORK CITY.

BERTHA HAVEN PUTNAM, PH.D., *Mt. Holyoke College*, SOUTH HADLEY, MASS.

GERTRUDE ELIZABETH DIETRICH SMITH, A.B. (Mrs. Herbert Knox Smith), THE HIGHLANDS, WASHINGTON, D. C.

LOUISE PARKE ATHERTON DICKEY, A.B. (Mrs. Samuel Dickey), 10 *Chalmers Place*, CHICAGO, ILL.

HELEN J. ROBINS, A.B., 23 *Gowen Avenue*, MT. AIRY, PHILADELPHIA.

Honorary Corresponding Secretaries.

The following honorary corresponding secretaries, all of whom are graduates of Bryn Mawr College, have kindly consented to act as representatives of the college in the cities in which they live, and will at any time be glad to answer questions about the college:

NEW YORK CITY: MISS EMILY REDMOND CROSS, 6 *Washington Square*.

PHILADELPHIA: MRS. ADOLPH E. BORIE, 618 S. *Washington Square*.

BALTIMORE: MRS. ANTHONY MORRIS CAREY, 1004 *Cathedral Street*.

PITTSBURGH, PA.: MRS. JOHN BRUCE ORR, 628 *Maple Lane, Sewickley, Pa.*

SCRANTON, PA.: MISS ALICE BELIN.

SYRACUSE, N. Y.: MRS. FREDERICK A. SAUNDERS, 504 *Ostrom Avenue*.

UTICA, N. Y.: MRS. ARTHUR PERCY SAUNDERS, *Clinton, N. Y.*

NEW HAVEN, CONN.: MISS ELIZABETH DAY SEYMOUR, 34 *Hillhouse Avenue*.

BOSTON, MASS.: MRS. INGERSOLL BOWDITCH, 19 *Buckingham Street, Cambridge*.

FALL RIVER, MASS.: MRS. RANDALL NELSON DUFFEE, 435 *Cherry Street*.

WASHINGTON, D. C.: MRS. HERBERT KNOX SMITH, *The Highlands*.

WINSTON, N. C.: MISS CARO FRIES BUXTON, 520 *Summit Street*.

CHICAGO, ILL.: MISS ETHEL EUGENIE HOOPER, 1210 *Astor Street*.

INDIANAPOLIS, IND.: MRS. FRANK NICHOLS LEWIS, 4 *West St. Joe Street*.

MADISON, WIS.: MRS. MOSES STEPHEN SLAUGHTER, 633 *Francis Street*.

MINNEAPOLIS, MINN.: MISS MARGARET WASHBURN, 2218 *First Avenue, South*.

ST. LOUIS, MO.: MRS. GEORGE GELLHORN, 3871 *Washington Avenue*.

PORTLAND, ORE.: MRS. HENRY MINOR ESTERLY, 376 *North 31st Street*.

LOS ANGELES, CAL.: MISS ELIZABETH DANA MARBLE, 3201 *Figueroa Street*.

SALT LAKE CITY, UTAH: MISS KATE WILLIAMS, 177 *13th East Street*.

ENGLAND: THE HON. MRS. BERTRAND RUSSELL, *Bagley Wood, Oxford*.
MRS. HENRY MARTINEAU FLETCHER, 10 *Lincoln's Inn Fields, London, W. C.*

STUDENTS.

Fellows and Graduate Students, Academic Year, 1909-10.

- BONTECOU, MARGARET, *Bryn Mawr European Fellow.*
Orange, N. J. A.B., Bryn Mawr College, 1909. Maria L. Eastman Brooke Hall Memorial Scholar, 1908-09.
- SWINDLER, MARY HAMILTON, *Mary E. Garrett European Fellow.*
Bloomington, Ind. A.B., University of Indiana, 1905, and A.M., 1906. Graduate Scholar in Greek, Bryn Mawr College, 1906-07, and Fellow in Greek, 1907-09; Student, Universities of Oxford and Berlin, and American School of Classical Studies, Athens, 1909-10.
- HARMON, ESTHER,
Ottendorfer Memorial Research Fellow in Teutonic Philology.
Toledo, O. A.B., University of Michigan, 1906. Graduate Scholar in Teutonic Philology, Bryn Mawr College, 1906-07. Holder of the President's European Fellowship and Student, University of Berlin, 1907-08; Fellow in German and Teutonic Philology, Bryn Mawr College, 1908-09; Student, University of Munich, 1909-10.
- SANDISON, HELEN ESTABROOK, *Special European Fellow.*
Terre Haute, Ind. A.B., Bryn Mawr College, 1906, and A.M., 1907. Graduate Scholar, Bryn Mawr College, 1906-07; Assistant Principal of the High School, Brookville, Ind., 1907-08; Fellow in English, Bryn Mawr College, 1908-09; Student, University of Oxford, 1909-10.
- SPENCER, FANNIE GRACE CLARA, *Research Fellow in Chemistry.*
Terre Haute, Ind. A.B., University of Illinois, 1908, and A.M., 1909.
- COULTER, CORNELIA CATLIN, *Fellow in Latin.*
Ferguson, Mo. A.B., Washington University, 1907. Graduate Scholar in Latin, Bryn Mawr College, 1907-08; Holder of the President's European Fellowship and Student, University of Munich, 1908-09.
- SMITH, EUNICE CLARA, *Fellow in English.*
Pawtucket, R. I. A.B., Brown University, 1907, and A.M., 1909.
- HARRISON, JANE ANNETTA, *Fellow in German.*
La. Plata, Mo. A.B. and B.S., University of Missouri, 1906, and A.M., 1907. Graduate Student, University of Missouri, 1908-09.
- KING, HELEN MAXWELL, *Fellow in Romance Languages.*
Olivet, Mich. A.B., Olivet College, 1907, and A.M., 1908. Graduate Student, Bryn Mawr College, 1908-09.
- SHOEMAKER, JANE CUSHING, *Fellow in Economics and Politics.*
Philadelphia. A.B., Bryn Mawr College, 1905. Graduate Student, Bryn Mawr College, 1907-08.
- RAND, MARIE GERTRUDE, *Fellow in Philosophy.*
Brooklyn, New York City. A.B., Cornell University, 1908. Graduate Scholar in Psychology, 1908-09.
- BOWERMAN, HELEN COX, *Fellow in Archæology.*
Point Pleasant, N. J. A.B., Mount Holyoke College, 1901; A.M., University of Rochester, 1903. Teacher of English and Latin in the High School, Macedon, N. Y., 1903-05; Instructor in Latin, Western College for Women, Oxford, O., 1905-07; Associate Professor of Latin, 1907-08; Graduate Scholar in Archæology, Bryn Mawr College, 1908-09.
- WEEKS, EULA ADELINE, *Fellow in Mathematics.*
Butler, Mo. A.B. and B.S., University of Missouri, 1908, and A.M., 1909. Teacher in the High School, Rich Hill, Mo., 1901-05.
- FREHAFFER, MABEL KATHRYN, *Fellow in Physics.*
Philadelphia. A.B. Bryn Mawr College, 1908. Graduate Student in Physics, University of Wisconsin, 1908-09.

- MACLEOD, ANNIE LOUISE, *Fellow in Chemistry*.
 Grace Bay, Nova Scotia. A.B., McGill University, 1904, and M.Sc., 1905.
 Demonstrator in Chemistry, McGill University, 1905-08; Assistant in
 Chemistry, Barnard College, 1908-09.
- JARVIS, MAY MASON, *Fellow in Biology*.
 Austin, Tex. A.B., University of Texas, 1906, and A.M., 1908. Tutor in
 Zoology, University of Texas, 1907-09.
- MASSEY, ISABELLA MELLIS, *British Graduate Scholar*.
 London, England. Girton College, University of Cambridge, 1905-09. Med-
 ieval and Modern Languages Tripos, Part I, Class I, 1908, Part II, Class
 II, 1909.
- MAY, ELSIE GERTRUDE, *British Graduate Scholar*.
 Birmingham, England. Mason College, Birmingham, 1893-97; St. Hugh's
 Hall, University of Oxford, 1879-99. Final Honours School of English
 Language and Literature, University of Oxford, 1899; M.A., University of
 Birmingham, 1901. Teacher in the Pontypool County School, 1901-03, in
 the Blackburn High School, 1903-04, in the Worcester High School, 1904-08,
 and in the Streatham Hill High School, 1908-09.
- BEHRENS, MARGARETE EMMA JOHANNA, *German Graduate Scholar*.
 Dresden, Saxony. University of Munich, 1907-09; University of Jena, 1907;
 University of Kiel, 1909.
- GERLACH, ELNA, *German Graduate Scholar*.
 Bischofsburg, Prussia. University of Munich, 1906-09.
- HEFFNER, BARBARA, *German Graduate Scholar*.
 Kitzingen, Bavaria. University of Würzburg, 1903-04, 1905-09; University
 of Munich, 1904-05; Ph.D., University of Würzburg, 1907.
- SCHMIDT, ANNALISE, *German Graduate Scholar*.
 Munich, Bavaria. University of Berlin, 1905-06, 1907-08; University of
 Munich, 1906-07, 1908-09.
- AKERS, DEBORAH CHASE, *Graduate Scholar in Psychology*.
 Decatur, Ill. Western College, 1904-06; Milliken University, 1906; Univer-
 sity of Illinois, 1907-08; A.B., University of Illinois, 1908.
- ALBEE, MARIA HAWES, *Graduate Scholar in Greek*.
 Killingly, Conn. A.B., Bryn Mawr College, 1904; Graduate Student in Greek
 and Archæology, Yale University, 1904-05, and in Latin and Archæology,
 1905-06; Instructor in German and History in the High School; New Haven,
 Conn., 1904-05, and in German and Latin, 1905-06, 1907-09; Head of the
 Classical Department and Assistant Principal, Tudor Hall, Indianapolis,
 Ind., 1906-07; Assistant in the Secretary's Office, Yale University, 1908-09;
 Teacher of Latin in Miss Wright's School, Bryn Mawr, Pa., 1909-10.
- ALBERTSON, ALICE OWEN, *English*.
 Philadelphia. A.B., Bryn Mawr College, 1902. Teacher in the Friends' Select
 School, Philadelphia, 1902-09.
- ALBERTSON, ANNA MARY, *English*.
 Magnolia, N. J. A.B., Wellesley College, 1909.
- ALLISON, EDITH MARY, *Graduate Scholar in Psychology*.
 McPherson, Kan. Washburn College, 1903-04, 1905; McPherson College,
 1906-07; University of Colorado, 1907-08; A. B., University of Colorado,
 1908, and A.M., 1909; Assistant in Biology, University of Colorado, 1908-09.
- BARKER, GRACE SARAH TAYLOR, *Graduate Scholar in Physics*.
 Welland, Ontario, Canada. S.B., University of Chicago, 1907; Teacher in the
 University School for Girls, Chicago, 1907-09.
- BARTHOLOMEW, MARY ELEANOR, *English*.
 Chicago, Illinois. A.B., Bryn Mawr College, 1909. Teacher of English in
 the Baldwin School, Bryn Mawr, Pa., 1909-10.

- BELDING, JOSEPHINE**, *Greek*.
Hartford, Conn. A.B., Mt. Holyoke College, 1902. Secretary to the Assistant to the President, Bryn Mawr College, 1909-10.
- BELL, EMMA VIRGINIA**, *English, German, and History*.
Columbus, Miss. A.B., Mississippi Industrial Institute and College, 1909.
- BROWNELL, HARRIET MATHER**, *Archæology*.
Bryn Mawr, Pa. A.B., Bryn Mawr College, 1896. Teacher of Latin, Greek, and Mathematics in the Passaic Collegiate School, Passaic, N. J., 1896-99, and Teacher of Greek and Latin, 1899-1905; Student in Latin and Archæology, University of Munich, and American School of Classical Studies, Rome, 1905-06; Teacher of Latin in the Holman School, Philadelphia, 1906-10, and Assistant to the Principal, 1908-10.
- BRUSSTAR, MARGARET ELIZABETH**, *Mathematics*.
Philadelphia. A.B., Bryn Mawr College, 1903. Teacher of Latin and Mathematics, Miss Gleim's School, Pittsburgh, Pa., 1903-04; Teacher of Mathematics in the Misses Shipley's School, Bryn Mawr, Pa., 1904-10; Graduate Scholar in Mathematics, Bryn Mawr College, 1907-08, and Graduate Student, 1908-10.
- BUNKER, MARIE**, *English and Psychology*.
Overbrook, Philadelphia. A.B., Bryn Mawr College, 1907, and A.M., 1908. Graduate Student, Bryn Mawr College, 1907-09.
- BURCHINAL, MARIE CACY**, *German and Teutonic Philology*.
Chestertown, Md. A.B., Washington College, 1896, and A.M., 1899. Student, University of Marburg, 1903; Graduate Scholar in Romance Languages, Bryn Mawr College, 1905-06, and in Teutonic Philology, 1906-07; Graduate Student, Johns Hopkins University, 1908-09; Instructor in German, Woman's College of Baltimore, 1907-09; First Assistant in German, William Penn High School, Philadelphia, 1909-10.
- BYRNE, ALICE HILL**, *Greek and Latin*.
Lancaster, Pa. A.B., Wellesley College, 1908. Teacher of Latin and Greek in the Union High School, Coleraine, Pa., 1899-1900, in Mrs. Blackwood's School, Lancaster, Pa., 1896-99, and 1900-01, and in Miss Stahr's School, Lancaster, Pa., 1901-09.
- CAMPBELL, ANNIE CATHERINE**, ... *English, Economics, and Philosophy*.
Mechanicsburg, Pa. A.B., Irving College, 1907. Graduate Student, Bryn Mawr College, 1908-09.
- CHUBB, ETHEL LEIGH**, *Graduate Scholar in Latin*.
West Toronto, Canada. A.B., University of Toronto, 1906, and M.A., 1909; Lecturer in Westminster College, Toronto, 1906-09.
- CLARKE, NANCY BARNUM**, *Psychology, Geology, and Biology*.
Brevard, N. C. B.S., College for women, Columbia, S. C., 1909.
- COLEMAN, JESSIE HESTER**, *Penn College Scholar*.
Oskaloosa, Ia. Ph.B., Penn College, 1909.
- CRAWFORD, EMILY C.**, *Graduate Scholar in Latin*.
Montreal, Canada. A.B., McGill University, 1907. Graduate Scholar in Greek, Bryn Mawr College, 1907-08, and Graduate Scholar in Latin, 1908-09.
- DAVIS, MARGARET**, *Guilford College Scholar*.
Guilford College, N. C. A.B., Guilford College, 1909.
- DILLIN, MARGARET SIDNER**, *Graduate Scholar in Latin*.
Radnor, Pa. A.B., Bryn Mawr College, 1909.
- DOWNING, MAUD**, *Semitic Languages*.
Fournier, Ontario, Canada. A.B., University of Toronto, 1902. Graduate Student, University of Toronto, 1902-03; Graduate Scholar in Psychology, Bryn Mawr College, 1903-04, and in Semitic Languages, 1904-07, and Reader in Semitic Languages, 1907-10; Honorary Fellow in Semitic Languages, Johns Hopkins University, 1908-09.

- DUDLEY, LOUISE, *Graduate Scholar in English.*
Georgetown, Ky. A.B., Georgetown College, 1905. Graduate Student, Bryn Mawr College, 1905-06; Teacher in Kemper Hall, Kenosha, Wis., 1907-08; Research Student in the Bibliothèque Nationale, Paris, 1908-09; University of Oxford, 1909.
- EISENHOWER, ANNA BELLE, *Italian.*
Norristown, Pa. A.B., Swarthmore College, 1899. A.B., Radcliffe College, 1900, and A.M., 1907. Instructor in Classics and French in the High School, Norristown, 1904-06; Graduate Student, Radcliffe College, 1906-07; Head of French Department in the Friends' Central School, Philadelphia, 1907-10.
- FOSTER, ELIZABETH ANDROS, *Latin and Spanish.*
Sharon, Mass. A.B., Bryn Mawr College, 1908, and A.M., 1909. Graduate Scholar in Latin, Bryn Mawr College, 1908-09, and Reader in Latin, 1909-10.
- FOSTER, FRANCES ALLEN, *Scholar in English.*
Providence, R. I. A.B., Brown University, 1909.
- FRANK,* GRACE, *German and French.*
Bryn Mawr, Pa. A.B., University of Chicago, 1906. Graduate Student, Bryn Mawr College, 1907-09.
- FURNAS, MARCIA MOORE, *Earlham College Scholar.*
Earlham, Ind. A.B., Earlham College, 1906.
- GOUDGE, MABEL ENSWORTH, *Greek, Latin, and Psychology.*
Halifax, Nova Scotia, Canada. A.B., Dalhousie University, 1908, and A.M., 1909.
- GRUENING, MARTHA, *English, Philosophy, and Chemistry.*
New York City. A.B., Smith College, 1909.
- HERITAGE, GERTRUDE LANGDEN, *Italian.*
A.B., Bryn Mawr College, 1896, and A.M., 1899. Graduate Student, Bryn Mawr College, 1896-1901. Demonstrator in Chemistry, Bryn Mawr College, 1896-1910.
- HUFF,† HELEN ELIZABETH, *Physics.*
Bryn Mawr, Pa. A.B., Dickinson College, 1903, A.M., 1905, and Ph.D., Bryn Mawr College, 1908. Graduate Scholar in Mathematics, Bryn Mawr College, 1903-04, and Graduate Student in Physics, 1907-08; Fellow in Physics, Bryn Mawr College, 1904-05; Holder of the Mary E. Garrett European Fellowship and Student, University of Göttingen, 1905-06; Demonstrator in Physics, Bryn Mawr College, 1906-07; Teacher in the Baldwin School, Bryn Mawr, 1907-08; Reader in Mathematics, Bryn Mawr College, Second Semester 1909-10.
- JAMES, ELEANOR, *Scholar in Latin.*
Philadelphia. A.B., Bryn Mawr College, 1902. Teacher in the Public School, Milford, Del., 1902-03, and in Miss Gleim's School, Pittsburgh, Pa., 1903-08; Graduate Student, Bryn Mawr College, 1908-09; Teacher of Latin in the Misses Shipley's School, Bryn Mawr, Pa., 1908-10.
- JOHNSON, HELEN MOORE, *Scholar in Greek.*
Osceola, Mo. Drury College, 1903-05; University of Missouri, 1905-08; Tulane University, 1908-09; A.B., University of Missouri, 1907, and A.M., 1908.
- JURIST, HELEN STIEGLITZ, *Scholar in German.*
Philadelphia. A.B., Bryn Mawr College, 1909.
- KEILLER, MABEL MATTHEWSON,
English, History of Art, and Mathematics.
Narberth, Pa. A.B., Bryn Mawr College, 1908. Private Tutor, 1908-09.

*Mrs. Tenney Frank.

†Mrs. William Bashford Huff.

- KING, MARIE SEWARD, *German, Teutonic Philology, and French.*
Olivet, Mich. A.B., Olivet College, 1907, and A.M., 1908. Professor of German and French, Des Moines College, 1908-09.
- LOWENGRUND, HELEN MOSS, *English.*
Philadelphia. A.B., Bryn Mawr College, 1906, and A.M., 1907. Graduate Scholar in Latin, Bryn Mawr College, 1906-07, and Graduate Scholar in English, 1907-08; Teacher of History in the Girls' High School, Philadelphia, 1908-10.
- LYNCH, CAROLINE VINIA, *Archæology.*
Boston, Mass. A.B., Smith College, 1894; A.M., Columbia University, 1908. Graduate Student, Radcliffe College, 1895-96, 1907-09; Columbia University, 1906-07; American School of Classical Studies in Rome, 1904-05.
- MASON, MARY TAYLOR, *Physics, Chemistry, and Biology.*
Germantown, Philadelphia. A.B., Bryn Mawr College, 1892. Graduate Student, Bryn Mawr College, 1892-94; Teacher of History in Mrs. E. L. Head's School, 1892-93, and 1897-98; Member of School Board, 38th Section, Philadelphia, 1896-99; Member of the Board of Education for the 38th Section, Philadelphia, 1899-1903.
- MATSUDA, MACHI, *Scholar in English.*
Tango, Japan. A.B., Bryn Mawr College, 1899. Teacher in Kobe College, Kobe, Japan, 1899-1904, and in the Doshisha, Kyoto, Japan, 1904-08; Graduate Scholar in Economics, Bryn Mawr College, 1908-09.
- MORGAN, LOUISE BAGGOTT, *Scholar in English.*
Providence, R. I. A.B. and A.M., Brown University, 1907. Graduate Scholar in English, Bryn Mawr College, 1907-09.
- NICHOLS, HELEN HAWLEY, *Scholar in Semitic Languages.*
Marietta, O. A.B., Marietta College, 1906. Graduate Student Bryn Mawr College, 1906-07, and Graduate Scholar in Semitic Languages, 1907-08; Holder of the Mary E. Garrett European Fellowship, and Student, University of Oxford, 1908-09.
- NOBLE, EDITH, *Latin and German.*
Centerville, S. Dak. A.B., Dakota Wesleyan University, 1902; Ph.B., De Pauw University, 1902. Chicago University, Summer term, 1905; Instructor in Latin and English in the High School, Centerville, 1902-03; Instructor in Latin in the High School, Mitchell, S. Dak., 1903-06; Instructor in English, Dakota Wesleyan University, 1906-07, and Professor of Latin, 1907-09.
- OGDEN, ELLEN SETON, *Scholar in Semitic Languages.*
Albany, N. Y. L.B., University of Nashville, 1895. Teacher of Latin and Mathematics in the Winthrop Model School, Peabody Normal College, 1895-96; Graduate Student in Teutonic Philology and Semitic Languages, Bryn Mawr College, 1896-98; Junior Bursar, Bryn Mawr College, 1898-1901; Student in Semitics, Columbia University, 1901-02; Head of the English Department, St. Agnes School, Albany, N. Y., 1902-09, and Instructor in Biblical Study, 1904-09.
- ORLADY, EDITH THOMPSON, *French.*
Bryn Mawr, Pa. A.B., Bryn Mawr College, 1902. Warden of Pembroke Hall West, and Warden of Rockefeller Hall, 1905-06; Graduate Student, Bryn Mawr College, 1903-06, 1907-09.
- PEEBLES, FLORENCE, *Biology.*
Bryn Mawr, Pa. A.B., Woman's College of Baltimore, 1895, and Ph.D., Bryn Mawr College, 1900. Graduate Scholar in Biology, Bryn Mawr College, 1895-96; Fellow in Biology, 1896-97, and Graduate Student, 1897-98, 1903-04, 1906-09; Holder of the Mary E. Garrett European Fellowship, Scholar of the Woman's Table and Student in Biology, Zoological Station, Naples, Universities of Munich and Halle, 1898-99; Instructor in Biology, Woman's College of Baltimore, 1899-1902; and Associate Professor of Biology, 1902-06; Teacher of Science in Miss Wright's School, Bryn Mawr, Pa., 1906-07; Assistant Demonstrator in Biology, Bryn Mawr College, 1907-10; Student, University of Bonn, Summer, 1906.

- PEELLE, MARY PEARL, *English*
Wilmington, O. A.B., Wilmington College, 1909.
- PROBASCO, LOUISE, *Latin and History of Art.*
Wilmington, O. A.B., Wilmington College, 1909.
- RAMBO, ELEANOR FERGUSON, *Latin.*
Philadelphia. A.B., Bryn Mawr College, 1908, and A.M., 1909. Graduate Scholar in Greek, 1908-09.
- REYNOLDS, GRACE POTTER, *Physics and Chemistry.*
Stamford, Conn. A.B., Smith College, 1904; A.M., Columbia University, 1905. Graduate Student, Columbia University, 1904-05; Assistant in Chemistry, Barnard College, 1906-08; Fellow in Chemistry, Bryn Mawr College, 1908-09.
- RICHARDS, ANNABELLA ELLIOTT, *Physics and Chemistry.*
Merion, Pa. A.B., Bryn Mawr College, 1907. Graduate Scholar in Chemistry, 1908-09.
- RICHARDSON, EMILY MARTIN, *English.*
Boston, Mass. A.B., Radcliffe College, 1904. Teacher of English in the Misses Shipley's School, Bryn Mawr, Pa., 1907-10.
- ROE, ADAH BLANCHE, *Scholar in German.*
Omaha, Neb. A.B., Woman's College of Baltimore, 1909.
- SCHENCK, EUNICE MORGAN, *Scholar in French.*
Philadelphia. A.B., Bryn Mawr College, 1907. Graduate Student, Bryn Mawr College, 1908-09.
- SHEARER, EDNA ASTON, *Philosophy.*
A.B., Bryn Mawr College, 1904. Junior Fellow in Philosophy, Bryn Mawr College, 1904-05; Holder of the President's Fellowship, and Student, Universities of Edinburgh and Aberdeen, 1905-06; Fellow in Philosophy, Bryn Mawr College, 1906-07; Teacher of English in the Baldwin School, Bryn Mawr, Pa., 1907-10, and Graduate Student, Bryn Mawr College, 1907-08.
- SHELDON, ELEANOR, *Scholar in English.*
Minneapolis, Minn. A.B., University of Minnesota, 1904, and A.M., 1909. Assistant in English, University of Minnesota, 1905-09; Teacher of Interpretative Literature in the Minneapolis School of Music and Oratory, 1906-09.
- SNYDER, ELIZABETH, *German.*
Ardmore, Pa. A.B., Bryn Mawr College, 1903. Teacher of French and German in the Lower Merion High School, Ardmore, 1903-09; Teacher in the Girls' High School, Philadelphia, December, 1908, to February, 1909; Graduate Student, Bryn Mawr College, 1905-06.
- SPALDING, MARY CAROLINE, *Scholar in English.*
Bryn Mawr, Pa. A.B., Vassar College, 1901. Graduate Student, Bryn Mawr College, 1906-08, and Graduate Scholar, 1908-09; Teacher in the Misses Shipley's School, Bryn Mawr, 1906-10.
- STODDARD, VIRGINIA TRYON, *Philosophy.*
Mt. Holly, N. J. A.B., Bryn Mawr College, 1903, and A.M., 1909. Warden of Radnor Hall and Graduate Student, Bryn Mawr College, 1904-09.
- STURDEVANT, WINIFRED, *German.*
Cragmoor, N. Y. A.B., Bryn Mawr College, 1909.
- VAN KIRK, EDITH LOUISE, *Latin and English.*
Philadelphia. A.B., Bryn Mawr College, 1898. Assistant in Mrs. Van Kirk's Training School for Kindergarten Teachers, Philadelphia, 1898-1900; Student of German, 1900-01; Teacher in Mrs. Van Kirk's Kindergarten Training School, 1901-02, 1903-05; Graduate Student, Bryn Mawr College, 1902-03.

WADE, CLARA LOUISE WHIPPLE,*Archæology.*

Bryn Mawr, Pa. A.B., Bryn Mawr College, 1904. Holder of the Bryn Mawr European Fellowship and Scholar in Latin, Bryn Mawr College and Private Tutor, 1904-05; Student, University of Munich, 1905-06; Graduate Student, Bryn Mawr College, and Private Tutor, 1906-07; Teacher of Latin and German in the Misses Shipley's School, Bryn Mawr, 1907-10.

WELD, JEAN,*English, French, and Education.*

Marianna, Ark. A.B., University of Arkansas, 1907.

WEUSTHOFF, ANNA SOPHIE,*Teutonic Philology.*

New York City. A.B., Woman's College of Baltimore, 1906. Graduate Scholar in Teutonic Philology, Bryn Mawr College, 1906-07; Student, University of Berlin, 1907-09; Special Ottendorfer Memorial Research Fellow in Teutonic Philology, 1907-08, and Ottendorfer Memorial Research Fellow, 1908-09; Fellow of Woman's College of Baltimore, 1909-10.

WHITE, HELEN BEARDSLEY CROMWELL,*Scholar in Geology.*

Bradford, Pa. A.B., Allegheny College, 1909.

Former Holders of European Fellowships.

BALCH, EMILY GREENE,Prince Street, Jamaica Plain, Mass.

Holder of the Bryn Mawr European Fellowship, 1889-90. A.B., Bryn Mawr College, 1889, group, Greek and Latin. Student in Political Science, Conservatoire des Arts et des Métiers, Paris, and under the direction of Professor Emile Levasseur, 1890-91; University of Chicago, 1895; University of Berlin, 1895-96; Member of Board of Trustees for Children of the City of Boston, 1897-98; Assistant in Economics, Wellesley College, 1896-97, Instructor in Economics, 1897-1903, Associate Professor of Economics and Sociology, 1903-07, and Acting Head of the Department, 1907-10.

BECKER, AMANDA FREDERICKA, ..5870 Cabanne Avenue, St. Louis, Mo.

Holder of the President's European Fellowship, 1903-04. B.Sc., Missouri State University, 1901, and A.M., 1902. Holder of Teaching Fellowship, Missouri State University, 1901-02; Graduate Scholar, Bryn Mawr College, 1902-03; Student, University of Göttingen, 1903-04; Teacher of Mathematics in the Yeatman High School, St. Louis, Mo., 1904-08, and in the Soldan High School, St. Louis, 1909-10.

BILLMEYER, HELEN MAY,250 Midland Avenue, Montclair, N. J.

Holder of the Bryn Mawr European Fellowship, 1902-03. A.B., Bryn Mawr College, 1902, group, History and Political Science; University of Berlin, 1903-04; Private Tutor, 1909-10.

BORING, ALICE MIDDLETON,....931 Fairmount Avenue, Philadelphia.

Holder of the Mary E. Garrett European Fellowship, 1907-08. A.B., Bryn Mawr College, 1904, group, Chemistry and Biology, and A.M., 1905. Graduate Scholar in Biology, and Assistant in the Biological Laboratory, Bryn Mawr College, 1904-05; Moore Fellow in Zoology, University of Pennsylvania, 1905-06; Fellow in Biology, Bryn Mawr College, 1906-07; Instructor in Zoology, Vassar College, 1907-08; Student, University of Würzburg, and Zoological Station, Naples, 1908-09; Instructor in Zoology, University of Maine, 1909-10.

BOURLAND, CAROLINE BROWN,Peoria, Ill.

Holder of the Mary E. Garrett European Fellowship, 1900-01. A.B., Smith College, 1893; Ph.D., Bryn Mawr College, 1905, subjects, Spanish, Old French, and Italian. Teacher of French and German in Mrs. Starrett's School, Oak Park, Ill., 1895-96, and in the High School, Peoria, 1896-97; Student, Sorbonne and Collège de France, 1897-98; Fellow in Romance Languages, Bryn Mawr College, 1898-99; Graduate Scholar and Fellow by

Courtesy in Romance Languages, Bryn Mawr College, 1899-1900, 1901-02; Student in Romance Languages, Madrid, Spain, 1900-01; Instructor in Spanish and French, Smith College, 1902-06, and Associate Professor, 1906-10.

BREED, MARY BIDWELL,Read Hall, Columbia, Mo.

Holder of the Bryn Mawr European Fellowship, 1894-95. A.B., Bryn Mawr College, 1894, group, Chemistry and Biology, A.M., 1895, and Ph.D., 1901, subjects, Chemistry and Mathematics. Graduate Student, and Assistant in the Chemical Laboratory, Bryn Mawr College, 1894-95; Student in Chemistry, University of Heidelberg, 1895-96; Professor of Science, Pennsylvania College for Women, 1897-99; Fellow by Courtesy and Graduate Scholar in Mathematics, Physics, and Chemistry, Bryn Mawr College, 1899-1901; Dean of Women and Assistant Professor of Chemistry, Indiana University, Bloomington, Ind., 1901-06; Adviser of Women, University of Missouri, 1906-10.

BROOKS, HARRIET,990 Côte St. Luc Road, Montreal, Canada.

Holder of the President's European Fellowship, 1902-03. A.B., McGill University, 1898, and A.M., 1901. Graduate Student, McGill University, 1898-99; Tutor in Mathematics, and Research Student in Physics, Royal Victoria College, 1899-1901; Fellow in Physics, Bryn Mawr College, 1901-02; Student, University of Cambridge, England, 1902-03; Lecturer in Mathematics, Royal Victoria College of McGill University, Montreal, 1903-04; Tutor in Physics, Barnard College, 1904-06; Research Student, Sorbonne, 1906-07.

Married, 1907, *Mr. Frank H. Pitcher*.

BROWNELL, LOUISE SHEFFIELD,Clinton, N. Y.

Holder of the Bryn Mawr European Fellowship, 1893-94. A.B., Bryn Mawr College, 1893, group, Greek and Latin. Student in Greek and English, University of Oxford, England, and University of Leipsic, 1893-94; Graduate Student in Greek, Columbia College, 1894-95, and Graduate Student in English, 1895-96; Graduate Student in Greek and English, Bryn Mawr College, 1896-97; Warden of Sage College, and Lecturer in English Literature, Cornell University, 1897-1900; Associate Head of the Balliol School, Utica, N. Y., 1900-05; Private Tutor, 1905-10.

Married, 1900, *Mr. Arthur Percy Saunders*.

CADY, MARY LOUISE,Decatur, Ga.

Holder of the Mary E. Garrett European Fellowship, 1906-07. A.B. and A.M., Radcliffe College, 1904. Graduate Scholar in Greek, Bryn Mawr College, 1904-05; Fellow in Greek, Bryn Mawr College, 1905-06; Student, University of Berlin, 1906-07; Teacher in the Agnes Scott College, Decatur, Ga., 1907-08, and Professor of Greek, 1908-10.

CLAFLIN, EDITH FRANCES,Felton Hall, Cambridge, Mass.

Holder of the Mary E. Garrett European Fellowship, 1899-1900. A.B., Radcliffe College, 1897; Ph.D., Bryn Mawr College, 1906, subjects, Greek and Latin. Graduate Scholar in Greek and Latin, Bryn Mawr College, 1897-98, and Graduate Student, 1898-99; Student at the American School of Classical Studies, Athens, 1899-1900; Private Research Work, Harvard University Library, 1900-01; Instructor in Literature in the Prospect Hill School, Greenfield, Mass., 1901-02, and in Classics and Classical History, 1902-07; Instructor in Greek and Latin and Lecturer in Ancient History in Monticello Seminary, Godfrey, Ill., 1907-10.

COULTER, CORNELIA CATLIN,See page 15.

Holder of the President's European Fellowship, 1908-09.

ELLIS, ELLEN DEBORAH,

Mt. Holyoke College, South Hadley, Mass.

Holder of the Bryn Mawr European Fellowship, 1901-02. A.B., Bryn Mawr College, 1901, group, History and Political Science, A.M., 1902, and Ph.D., 1905, subjects, Economics and Politics and History. Graduate Student, Bryn Mawr College, 1901-02, 1903-04; Fellow in Economics and Politics, 1904-05; Student, University of Leipsic, 1902-03; Instructor in History, Mt. Holyoke College, 1905-08; Associate Professor and Acting Head of the Department of History, 1908-09; Associate Professor and Head of the Department of Pure Economics and Political Science, 1909-10.

EMERY, ANNIE CROSBY,163 George Street, Providence, R. I.

Holder of the Bryn Mawr European Fellowship, 1892-93. A.B., Bryn Mawr College, 1892, group, Greek and Latin, and Ph.D., 1896, subjects, Latin and Greek. Graduate Student, Bryn Mawr College, 1892-93; Student, University of Leipsic, 1893-94; Secretary to the President, and Graduate Student, Bryn Mawr College, Second Semester, 1894-95, and 1895-96; Dean of Women and Assistant Professor of Classical Philology, University of Wisconsin, 1897-1900; Dean of the Women's College in Brown University, 1900-05; Alumnae Member of the Board of Directors of Bryn Mawr College, 1906-09.

Married, 1905, *Professor Francis Greenleaf Allinson.*

FLEISHER, ELEANOR LOUIE,1715 Spruce Street, Philadelphia.

Holder of the Bryn Mawr European Fellowship, 1903-04. A.B., Bryn Mawr College, 1903, group, English and German. Graduate Student, Bryn Mawr College, 1903-04; Chairman of Executive Committee, Neighbors' Guild, 1904-06; Graduate Student, Bryn Mawr College, 1906-07.

Married, 1908, *Dr. David Riesman.*

GILES, ELLEN ROSE,87 Via Roma, Sassari, Sardinia, Italy.

Holder of the President's European Fellowship, 1897-98. A.B., and A.M., Bryn Mawr College, 1896, group, Greek and Semitic Languages. Graduate Scholar in Semitic Languages, Bryn Mawr College, 1896-97, and Graduate Scholar in Philosophy, 1897-98; Student in Philosophy, University of Berlin, 1898-99, and Sorbonne, 1899; Private Tutor, 1899-1901; Editorial and Journalistic Work, 1901-06.

HALL, EDITH HAYWARD,Woodstock, Conn.

Holder of the Mary E. Garrett European Fellowship, 1903-04. A.B., Smith College, 1899; Ph.D., Bryn Mawr College, 1908. Subjects, Archaeology and Greek. Teacher of Greek and History in Woodstock Academy, Woodstock, Vt., 1899-1900; Teacher of Latin and Greek in the Misses Shipley's School, Bryn Mawr, Pa., 1900-01 and 1905-09; Graduate Student, Bryn Mawr College, 1900-01, 1905-09, and Graduate Scholar, 1901-03; Holder of the Agnes Hoppin Memorial Fellowship and Student at the American School of Classical Studies, Athens, 1903-05. Lecturer in Archaeology, Mount Holyoke College, Second Semester, 1908-09, and First Semester, 1909-10; Member of Expedition of the American School of Classical Studies, Athens to Eastern Crete, 1910.

HAMILTON, EDITH,1312 Park Avenue, Baltimore, Md.

Holder of the Mary E. Garrett European Fellowship, 1895-96. A.B. and A.M., Bryn Mawr College, 1894, group, Greek and Latin. Fellow in Latin, Bryn Mawr College, 1894-95; Student, Universities of Leipsic and Munich, 1895-96; Head Mistress of the Bryn Mawr School, Baltimore, 1896-1910.

HAMILTON, MARGARET,1312 Park Avenue, Baltimore, Md.

Holder of the Bryn Mawr European Fellowship, 1897-98. A.B., Bryn Mawr College, 1897, group, Chemistry and Biology. Sorbonne, 1898-99; Teacher of Science, Bryn Mawr School, Baltimore, 1900-10.

HARDY, CORA,105 East 19th Street, New York City.

Holder of the Bryn Mawr European Fellowship, 1899-1900. A.B., Bryn Mawr College, 1899, group, Latin and French. Student at the Sorbonne, Collège de France and University of Oxford, 1899-1900; Teacher of Greek and English in Ward Seminary, Nashville, Tenn., and Graduate Student, Vanderbilt University, 1902-03; Teacher of English and Literature in St. Timothy's School, Catonsville, Md., 1903-06.

Married, 1906, *Mr. Edwin Seton Jarrett.*

HARMON, ESTHER,322 Batavia Street, Toledo, O.

Holder of the President's European Fellowship, 1907-08. A.B., University of Michigan, 1906. Graduate Scholar in Teutonic Philology, Bryn Mawr College, 1906-07; Student, University of Berlin, 1907-08; Fellow in German, Bryn Mawr College, 1908-09; Ottendorfer Memorial Research Fellow in Teutonic Philology, and Student, University of Munich, 1909-10.

HILL, VIRGINIA GREER, 3419 Hamilton Street, Philadelphia.

Holder of the Bryn Mawr European Fellowship, 1907-08. A.B., Bryn Mawr College, 1907, group, Latin and Mathematics. Student, University of Zürich, 1907-08; Teacher of Latin and Mathematics in the Agnes Irwin School, Philadelphia, 1908-10.

LAIRD, ELIZABETH REBECCA,

Mt. Holyoke College, South Hadley, Mass.

Holder of the President's European Fellowship, 1898-99. A.B., University of Toronto, 1896; Ph.D., Bryn Mawr College, 1901, subjects, Physics and Mathematics. Teacher in Ontario Ladies' College, 1896-97; Fellow in Physics, Bryn Mawr College, 1897-98; Student, University of Berlin, 1898-99; Graduate Scholar and Fellow by Courtesy in Mathematics and Physics, Bryn Mawr College, 1900-01; Instructor in Physics, Mount Holyoke College, 1901-03, Acting Head of the Department of Physics, 1903-04, and Professor of Physics, 1904-10.

LANGENBECK, CLARA, The Nelson, Walnut Hills, Cincinnati, O.

Holder of the President's European Fellowship, 1896-97. Ph.G., Cincinnati College of Pharmacy, 1890; S.B., University of Cincinnati, 1895. Fellow in Biology, Bryn Mawr College, 1895-96; Student, University of Marburg, 1896-98; Professor of Biology, Wells College, 1898-1901; Instructor in the Cincinnati College Preparatory School for Girls, 1901-06.

LEFTWICH, FLORENCE, Biltmore, N. C.

Holder of the Bryn Mawr European Fellowship, 1895-96. Wellesley College, 1884-85. A.B., Bryn Mawr College, 1895, group, Greek and Latin, and Ph.D., 1906, subjects, Old French, Latin, and Spanish. Student, Sorbonne and Collège de France, 1895-96; Mistress of Modern Languages, Mississippi Industrial Institute and College, Columbus, Miss., 1896-98; Fellow by Courtesy in Romance Languages, Bryn Mawr College, 1898-99; Holder of the European Fellowship of the Baltimore Association for the Promotion of the University Education of Women, and Student, University of Zürich, 1899-1900; Teacher of French in the Bryn Mawr School, Baltimore, Md., 1900-01; Graduate Student, Bryn Mawr College, 1902; Fellow in Romance Languages, Bryn Mawr College, 1902-03.

Married, 1903, *Mr. S. Prioleau Ravenel*.

LEWIS, FLORENCE PARTHENIA, Austin, Tex.

Holder of the President's European Fellowship, 1899-1900. A.B., University of Texas, 1897, and A.M., 1898. Fellow in Philosophy, Bryn Mawr College, 1898-99; Student, Sorbonne and Collège de France, 1899-1900; Teacher in the University Preparatory School, Austin, 1900-02; Student, University of Texas, 1901-03; Tutor in Mathematics, University of Texas, 1902-05; Fellow of the Baltimore Association for the Promotion of the University Education of Women and Graduate Student, Johns Hopkins University, 1907-09.

LEWIS, MAYONE, 4324 Pine Street, Philadelphia.

Holder of the Bryn Mawr European Fellowship, 1908-09. A.B., Bryn Mawr College, 1908. Student, Universities of Munich and Paris, 1908-09; Teacher of Greek and Latin and Tutor in Latin and French, Rosemary Hall, Greenwich, Conn., 1909-10.

LOWENGRUND, HELEN MOSS, ... 1827 North 18th Street, Philadelphia.

Holder of the Bryn Mawr European Fellowship, 1906-07. A.B., Bryn Mawr College, 1906, group, Latin and English, and A.M., 1907. Graduate Scholar in Latin, Bryn Mawr College, 1906-07; Graduate Scholar in English, 1907-08, and Graduate Student in English, 1909-10; Teacher of History in the Girls' High School, Philadelphia, 1908-10.

MADDISON, ISABEL, Bryn Mawr, Pa.

Holder of the Mary E. Garrett European Fellowship, 1894-95. University College of South Wales and Monmouthshire, 1885-89; Girton College, University of Cambridge, England, 1889-92; Mathematical Tripos, First Class, 1892; Oxford Mathematical Final Honour School, 1892; B.Sc., University of London, Mathematical Honours, 1893; Ph.D., Bryn Mawr College, 1896, subjects, Mathematics, Applied Mathematics and Physics; A.B., Trinity College, Dublin, 1905. Graduate Student in Mathematics, Bryn Mawr College, 1892-93, and Fellow in Mathematics, 1893-94; Student in Mathe-

matics, University of Göttingen, 1894-95; Assistant Secretary to the President, Bryn Mawr College, 1895-96; Secretary to the President, and Reader in Mathematics, 1896-1904; Assistant to the President, and Reader in Mathematics, 1904-06, and Assistant to the President and Associate in Mathematics, 1906-10.

MARTIN, EMILIE NORTON,

Mt. Holyoke College, South Hadley, Mass.

Holder of the Mary E. Garrett European Fellowship, 1897-98. A.B., Bryn Mawr College, 1894, group, Latin and Mathematics, and Ph.D., 1901, subjects, Mathematics and Physics. Graduate Student, Bryn Mawr College, First Semester, 1894-95, 1896-97, 1901-02; Teacher of Latin in the Bryn Mawr School, Baltimore, Md., January-June, 1895; Fellow in Mathematics, Bryn Mawr College, 1895-96; Student, University of Göttingen, 1897-98; Fellow by Courtesy in Mathematics, Bryn Mawr College, 1898-99; Teacher of Mathematics in the Misses Kirk's School, Rosemont, Pa., 1899-1900, and Private Tutor, 1899-1902; Private Tutor, 1902-03; Instructor in Mathematics, Mt. Holyoke College, 1903-04, First Semester, 1904-05, 1907-10; Graduate Student, Bryn Mawr College, and Private Tutor, 1906-07.

MORSE, KATE NILES,24 Park Street, Haverhill, Mass.

Holder of the Mary E. Garrett European Fellowship, 1901-02. A.B., Mt. Holyoke College, 1898, and A.M., 1900. Graduate Student, Bryn Mawr College, 1898-99; Fellow in Greek, Bryn Mawr College, 1900-01; University of Berlin, and American School of Classical Studies, Athens, 1901-02; Graduate Student, Radcliffe College, 1903, 1906-07.

NICHOLS, HELEN HAWLEY,

1424 Morse Avenue, Rogers Park, Chicago, Ill.

Holder of the Mary E. Garrett European Fellowship, 1908-09. A.B., Marietta College, 1906. Graduate Student, Bryn Mawr College, 1906-07, and Graduate Scholar in Semitic Languages, 1907-08, 1909-10; Student, University of Oxford, 1908-09.

NOWLIN, NADINE,42 The Lorraine, Kansas City, Mo.

Holder of the President's European Fellowship, 1906-07. A.B. and A.M., University of Kansas, 1903. Fellow in Biology, Bryn Mawr College, 1905-06; Demonstrator in Biology, University of Kansas, 1906-08; Graduate Student, University of Munich, 1908-09.

PARK, MARION EDWARDS,Oberlin, O.

Holder of the Bryn Mawr European Fellowship, 1898-99. A.B., Bryn Mawr College, 1898, group, Greek and English, and A.M., 1899. Graduate Student, Bryn Mawr College, 1898-99; Graduate Student, Autumn Quarter, University of Chicago, 1900-01; American School of Classical Studies, Athens, Greece, 1901-02; Instructor in Classics, Colorado College, 1902-03, 1904-06, and Acting Dean of Women, 1903-04; Teacher of English in Miss Wheeler's School, Providence, R. I., 1906-07, and of Classics, 1907-10.

PARRIS, MARION,.....Bryn Mawr, Pa.

Holder of Bryn Mawr College Research Fellowship, 1906-07. A.B., Bryn Mawr College, 1901, and Ph.D., 1909. Subjects, Economics and Politics and Philosophy. Private Tutor, 1901-02; Warden of Summit Grove, Bryn Mawr College, 1902-04, and of Rockefeller Hall, 1904-05; Graduate Student, Bryn Mawr College, 1902-05; Fellow in Economics, Bryn Mawr College, 1905-06; Student, University of Vienna, 1906-07; Reader in Economics and Politics, Bryn Mawr College, 1907-08, and Associate in Economics and Politics, 1908-10.

PEEBLES, FLORENCE,See page 19.

Holder of the Mary E. Garrett European Fellowship, 1898-99.

PERKINS, ELIZABETH MARY, ...1355 Irving Street, Washington, D. C.

Holder of the Bryn Mawr European Fellowship, 1900-01. A.B., Bryn Mawr College, 1900, group, Greek and Latin, and Ph.D., 1904, subjects, Latin and Greek. Graduate Student, Bryn Mawr College, 1900-01; Student, Universities of Berlin and Munich, 1901-02; Fellow in Latin, Bryn Mawr

College, 1902-03; Teacher of Latin and German in the Western High School, Washington, 1903-04, of Latin, 1904-05, and of Greek and Latin, 1905-06; Instructor in Latin, Vassar College, 1906-07; Graduate Student, Columbia University, 1907-08. Tutor in Latin, High School Department, Normal College, New York City, 1907-10; on leave of absence, 1909-10.

RAGSDALE, VIRGINIA, Jamestown, N. C.

Holder of the Bryn Mawr European Fellowship, 1896-97. S.B., Gullford College, 1892. Graduate Scholar in Mathematics, Bryn Mawr College, 1892-93, and Graduate Student, Bryn Mawr College, 1893-97. A.B., Bryn Mawr College, 1896, group, Mathematics and Physics, Ph.D., 1906, subjects, Mathematics and Physics. Assistant Demonstrator in Physics, Bryn Mawr College, 1896-97; Student, University of Göttingen, 1897-98; Teacher of Science and Mathematics in the Bryn Mawr School, Baltimore, Md., 1898-1900, and Assistant Teacher of Mathematics, 1900-01; Holder of Fellowship of the Baltimore Association for the Promotion of the University Education of Women, Graduate Scholar, and Fellow by Courtesy in Mathematics, Bryn Mawr College, 1901-02; Fellow in Mathematics, Bryn Mawr College, 1902-03; Teacher of Mathematics in Dr. J. Sachs's School for Girls, New York City, 1903-05; Teacher of Mathematics in the Baldwin School, Bryn Mawr, Pa., 1906-10, and Reader in Mathematics, Bryn Mawr College, 1908-10.

REIMER, MARIE, East Aurora, N. Y.

Holder of the Mary E. Garrett European Fellowship, 1902-03. A.B., Vassar College, 1897, and Ph.D., Bryn Mawr College, 1903, subjects, Chemistry and Physiology. Graduate Scholar in Chemistry, Vassar College, 1897-98; Assistant in the Chemical Laboratory, Vassar College, 1898-99; Fellow in Chemistry, Bryn Mawr College, 1899-1900, 1901-02; Graduate Scholar, and Fellow by Courtesy in Chemistry, Bryn Mawr College, 1900-01; Student, University of Berlin, 1902-03; Lecturer in Chemistry, Barnard College, 1903-04, Instructor in Chemistry, 1904-09, and Adjunct Professor of Chemistry, 1909-10.

SAMPSON, LILIAN VAUGHAN, .. 409 West 117th Street, New York City.

Holder of the Bryn Mawr European Fellowship, 1891-92. A.B., Bryn Mawr College, 1891, group, Mathematics and Physics, and A.M., 1894. Student, University of Zürich, 1892-93; Graduate Student, Bryn Mawr College, 1891-92, and 1893-99; Research Work in Biology, 1904-06.

Married, 1904, *Professor Thomas Hunt Morgan*.

SCHAEFFER, HELEN ELIZABETH, Roberts Road, Bryn Mawr, Pa.

Holder of the Mary E. Garrett European Fellowship, 1905-06. A.B., Dickinson College, 1903, A.M., 1905, and Ph.D., Bryn Mawr College, 1908, subjects, Physics, Pure and Applied Mathematics. Graduate Scholar in Mathematics, Bryn Mawr College, 1903-04, and Graduate Student in Physics, 1907-10; Fellow in Physics, Bryn Mawr College, 1904-05; Student, University of Göttingen, 1905-06; Demonstrator in Physics, Bryn Mawr College, 1906-07; Teacher in the Baldwin School, Bryn Mawr, Pa., 1907-08; Reader in Mathematics, Bryn Mawr College, Second Semester, 1909-10.

Married, 1908, *Dr. William Bashford Huff*.

SCHMIDT, GERTRUD CHARLOTTE.

631 Montgomery Avenue, Bryn Mawr, Pa.

Holder of the President's European Fellowship, 1904-05. B.L., University of Wisconsin, 1900. Graduate Student, Radcliffe College, 1900-01, 1902-03; A.M., Radcliffe College, 1903; Assistant in German, Smith College, 1901-02; Graduate Student, Bryn Mawr College, 1903-05, 1906-09; Teacher of German in Miss Wright's School, Bryn Mawr, Pa., 1903-05, 1906-10; Student, University of Leipsic, 1905-06, University of Grenoble, Summer, 1905.

SHEARER, EDNA ASTON, 5641 Cedar Avenue, Philadelphia.

Holder of the President's European Fellowship, 1905-06. A.B., Bryn Mawr College, 1904, group, English and Philosophy. Junior Fellow in Philosophy, Bryn Mawr College, 1904-05; Student, Universities of Edinburgh and Aberdeen, 1905-06; Fellow in Philosophy, Bryn Mawr College, 1906-07; Teacher of English in the Baldwin School, Bryn Mawr, Pa., 1907-10, and Graduate Student, Bryn Mawr College, 1907-08, 1909-10.

SHIELDS, EMILY LEDYARD,1902 West 6th Street, Los Angeles, Cal.

Holder of the Bryn Mawr European Fellowship, 1905-06. A.B., Bryn Mawr College, 1905, group, Greek and Mathematics, and A.M., 1906. Graduate Student, Bryn Mawr College, 1905-06; Recording Secretary and Appointment Secretary, Bryn Mawr College, 1906-07; Student, University of Oxford, and University of Berlin, 1907-08; Teacher in the Bryn Mawr School, Baltimore, Md., 1909-10.

SHIPLEY, KATHARINE MORRIS,Bryn Mawr, Pa.

Holder of the Bryn Mawr European Fellowship, 1890-91. A.B., Bryn Mawr College, 1890, group, Latin and English. Student in Latin and English, University of Leipsic, 1890-91; Sorbonne and Collège de France, 1891-92; Newnham College, University of Cambridge, England, May Term, 1892; Associate Principal and Supervisor of English in the Misses Shipley's School, Bryn Mawr, Pa., 1894-1910.

STEVENS, NETTIE MARIA,Bryn Mawr, Pa.

Holder of the President's European Fellowship, 1901-02. A.B., Leland Stanford, Jr., University, 1899, and A.M., 1900, Ph.D., Bryn Mawr College, 1903, subjects, Morphology and Physiology. Student in the Hopkins Seaside Laboratory, Pacific Grove, Cal., summers, 1897, 1898, and 1899; Graduate Scholar in Biology, Bryn Mawr College, 1900-01; Student, Zoological Station, Naples, 1901-02, March to May, 1909, University of Würzburg, 1902, Fellow in Biology, Bryn Mawr College, 1902-03; Research Fellow in Biology, Bryn Mawr College, First Semester, 1903-04; Reader in Experimental Morphology, Bryn Mawr College, 1904-05, and Associate in Experimental Morphology, 1905-10; Carnegie Research Assistant, 1904-06; Alice Freeman Palmer Research Fellow and Student, University of Würzburg, on leave of absence, 1908-09.

STITES, SARA HENRY,Wyoming, Pa.

Holder of the President's European Fellowship, 1900-01. A.B., Bryn Mawr College, 1899, group, History and Political Science, A.M., 1900, and Ph.D., 1905, subjects, Economics and Politics and History. Graduate Scholar in History and Political Science, Bryn Mawr College, 1899-1900; Student at the Sorbonne and Collège de France, 1900-01; University of Leipsic, 1901-02; Graduate Scholar and Fellow by Courtesy in Political Science, Bryn Mawr College, 1902-04; Co-Principal of the Wilkes Barre Institute, Wilkes-Barre, Pa., 1904-10.

TRAVER, HOPE,Hartford, Conn.

Holder of the Mary E. Garrett European Fellowship, 1904-05. A.B., Vassar College, 1896; Ph.D., Bryn Mawr College, 1907, subjects, English and History. Graduate Student, Bryn Mawr College, and Private Tutor, Whitford, Pa., 1901-02; Graduate Scholar, Bryn Mawr College, and Teacher of English in Miss Wright's School, Bryn Mawr, Pa., 1902-03; Fellow in English, Bryn Mawr College, 1903-04; Student, University of Munich, 1904-05, and First Semester, 1905-06; Graduate Scholar and Fellow by Courtesy, Bryn Mawr College, Second Semester, 1905-06; Teacher of English in Huntington Hall, Los Angeles, Cal., 1906-09.

WADE, CLARA LOUISE WHIPPLE,Bryn Mawr, Pa.

Holder of the Bryn Mawr European Fellowship, 1904-05. A.B., Bryn Mawr College, 1904, group, Greek and Latin. Scholar in Latin, Bryn Mawr College and Private Tutor, 1904-05; Student, University of Munich, 1905-06; Graduate Student, Bryn Mawr College and Private Tutor, 1906-09; Teacher of Latin and German in the Misses Shipley's School, Bryn Mawr, Pa., 1907-10.

WARREN, WINIFRED,805 Comstock Avenue, Syracuse, N. Y.

Holder of the Mary E. Garrett European Fellowship, 1896-97. A.B., Boston University, 1891, and A.M., 1894; Ph.D., Bryn Mawr College, 1898, subjects, Greek and Latin. Fellow in Latin, Bryn Mawr College, 1893-94, and Fellow by Courtesy in Latin, 1894-96; Student in Classical Philology, Universities of Munich and Berlin, 1896-97; Instructor in Latin, Vassar College, 1897-1902.

Married, 1902, *Mr. George Arthur Wilson.*

WEUSTHOFF, ANNA SOPHIE,See page 21.

Holder of Special Ottendorfer Memorial Research Fellowship in Teutonic Philology, 1907-08, and of Ottendorfer Memorial Fellowship in Teutonic Philology, 1908-09.

Former Resident Fellows.

ALBERT, GRACE,.....The Students' Inn, Bryn Mawr, Pa.

Fellow in History, 1903-04. A.B., Bryn Mawr College, 1897, group, Greek and Latin, and A.M., 1903. Private Tutor, 1897-99; Teacher of Latin in the Misses Shipley's School, Bryn Mawr, Pa., 1899-1901, of History, 1905-06, and Secretary, 1901-02; Graduate Student, Bryn Mawr College, 1901-02, and 1904-08; Graduate Scholar in History and Economics and Politics, 1902-03; Fellow in History and Student, University of London, engaged in research work in the Public Records Office, London, and in the University of Oxford, 1903-04; Head of Department of History in the Misses Shipley's School, Bryn Mawr, 1906-10.

ATKINSON, MABEL, ..26 Denning Road, Hampstead, London, England.

Fellow in Economics and Politics, 1902-03. A.M., Glasgow University, 1900. Holder of Research Studentship, London School of Economics, 1900-02; Classical Mistress, High School, Newcastle, England, 1903-04; Lecturer in Philosophy and Assistant to the Professor of Classics, Armstrong College, University of Durham, 1904-08; Member of the Board of Faculties, University of Durham, 1905-07; Honorary Secretary, Settlement Association, Newcastle-on-Tyne, 1906-07; Lecturer in Economics, King's College, London, 1908-09.

AVEN, ANNA WARD,Clinton, Miss.

Fellow in Latin, 1908-09. A.B., Mississippi College, 1905. Graduate Student in Greek and Latin, Bryn Mawr College, 1906-07, and Graduate Scholar in Latin, 1907-08.

BAKER, MABEL WHITMAN, ...3100 Newark Street, Washington, D. C.

Fellow in Latin, 1896-97. Columbian University, 1893-95; Teacher in Norwood Institute, Washington, 1895-96; Teacher of Latin in the Western High School, Washington, 1897-1903.

Married, 1903, *Mr. Alfred Hulse Brooks.*

BANCROFT, JANE M.,West Stockbridge, Mass.

Fellow in History, 1885-86. Ph.B., Syracuse University, 1877, Ph.M., 1880, and Ph.D., 1884. Professor of French Language and Literature, Northwestern University, 1877-85; University of Zürich, 1886-87; Sorbonne and Collège de France, 1888.

Married, 1891, *Mr. George O. Robinson.*

BARTLETT, HELEN,

Care of American Express Co., 5 and 6 Haymarket, London, England.

Fellow in English, 1893-94. Newnham College, University of Cambridge, England, 1889; studied in Berlin, 1882-84, and 1890. A.B., Bryn Mawr College, 1892, group, English and German, A.M., 1893, and Ph.D., 1896, subjects, English and German. Graduate Student, Bryn Mawr College, 1892-93, 1894-95; Holder of the American Fellowship of the Association of Collegiate Alumnæ, 1894-95; Instructor in German and French in the Portland Academy, Portland, Ore., 1896-97; Dean of Women, Head of the Modern Language Department and Assistant Professor of German in the Bradley Polytechnic Institute, Peoria, Ill., 1897-1904, Dean of Women, Head of the Modern Language Department, and Professor of German, 1904-09; Student, University of Berlin, 1905; Traveling in Europe on leave of absence, 1907-09.

DE BEAUREGARD, ESTHER TONTANT, 117 Collier Street, Toronto, Canada.

Fellow in Romance Languages, 1894-95. A.B., University of Toronto, 1894; Ontario Normal College, 1895-96; Teacher of Modern Languages, Niagara Falls Collegiate Institute, 1897-1900; Graduate Student in English, University of Pennsylvania, 1900-01; Teacher of English and French in Mrs. Chapman and Miss Jones's School, Chestnut Hill, Philadelphia, 1900-05.

Married, 1905, *Mr. Percy James Robinson.*

BECKWITH, MINNIE ADA,30 Home Street, New London, Conn.

Fellow in Latin, 1903-04. A.B., University of Chicago, 1902. Graduate Scholar, University of Chicago, 1902-03; Teacher of Latin and Greek in Miss Florence Baldwin's School, Bryn Mawr, Pa., 1904-10; Graduate Student, Bryn Mawr College, 1907-08.

BENNESON, CORA AGNES,4 Mason Street, Cambridge, Mass.
Fellow in History, 1887-88. A.B., University of Michigan, 1878, LL.B., 1880, and A.M., 1883. Graduate Student, Radcliffe College, 1897-1902; Attorney and Counsellor-at-Law, Cambridge, 1894-1909; Special Commissioner in Massachusetts, 1895-1910.

BLAKE, SUE AVIS,Merion, Pa.
Fellow in Physics, 1906-07. A.B., Bryn Mawr College, 1898, group, Mathematics and Physics, and A.M., 1900. Demonstrator and Graduate Student in Physics, Bryn Mawr College, 1898-99, 1904-06; Graduate Student, Bryn Mawr College, and Teacher of Mathematics and Science in the Misses Shipley's School, Bryn Mawr, Pa., 1899-1900; Assistant in Physics, Smith College, 1900-02, 1903-04; Fellow in Physics, University of Pennsylvania, 1907-08; Private Tutor, 1909-10.

BLANCHARD, ELIZABETH MILLER,Bellefonte, Pa.
Fellow in Mathematics, 1889-90. A.B., Bryn Mawr College, 1889, group, Greek and Mathematics. Teacher of Mathematics in the Bryn Mawr School, Baltimore, Md., 1891-92; Teacher of Mathematics in the Misses Shipley's School, Bryn Mawr, Pa., 1895-1908, and in Miss Irwin's School, Philadelphia, 1896-1908; Graduate Student, Bryn Mawr College, 1902-03; Assistant Manager of the Bellefonte Basket Shop, 1908-10.

BORING, ALICE MIDDLETON,See page 21.
Fellow in Biology, 1906-07.

BOURLAND, CAROLINE BROWN,See page 21.
Fellow in Romance Languages, 1898-99.

BRAMHALL, EDITH CLEMENTINE,
213 East 6th Street, Michigan City, Ind.
Fellow in History, 1898-99. A.B., University of Indiana, 1895; A.M., University of Pennsylvania, 1896, and Ph.D., 1898; Teacher of History in the Manual Training High School, Indianapolis, Ind., 1899-1900; Instructor in History and Economics, Rockford College, 1900-02, and Professor, 1902-10.

BROMBACHER, CAROLINE GARNAR,
177 Woodruff Avenue, Brooklyn, New York City.
Fellow in Greek, 1896-97. A.B., Barnard College, 1895. Assistant Teacher of Mathematics and Latin in the Erasmus Hall High School, Brooklyn, 1897-99, of Mathematics and Greek, 1899-1901, and of Greek, 1901-06; Graduate Student, Columbia University, 1903-04.
Married, 1906, *Mr. Sidney G. Stacey*.

BROOKS, HARRIET,See page 22.
Fellow in Physics, 1901-02.

BROWNELL, JANE LOUISE,Bryn Mawr, Pa.
Fellow in Political Science, 1893-94. A.B., Bryn Mawr College, 1893, group, History and Political Science, and A.M., 1894. Teacher of Mathematics in the Bryn Mawr School, Baltimore, Md., 1894-1902, and Associate Mistress, 1897-1902; Associate Principal of Miss Florence Baldwin's School, Bryn Mawr, 1902-06; Head of the Baldwin School, Bryn Mawr, 1906-10.

BURNLEY, MARY CLOYD,1029 Grove Street, Evanston, Ill.
Fellow in Chemistry, 1897-98. A.B., Woman's College of Baltimore, 1897, and A.M., 1899. Assistant in Chemistry, Vassar College, 1898-1900, and Instructor in Chemistry, 1900-1908; Research Fellow in Chemistry, Bryn Mawr College, 1908, 1908-09.

Married, 1909, *The Rev. James Madison Stifler*.

BYRNES, ESTHER FUSSELL,
193 Jefferson Avenue, Brooklyn, New York City.
Fellow in Biology, 1894-95. A.B., Bryn Mawr College, 1891, group, Chemistry and Biology, A.M., 1894, and Ph.D., 1898, subjects, Morphology and Physiology. Assistant in Biological Laboratory, Vassar College, 1891-93;

Graduate Scholar in Biology, Bryn Mawr College, 1893-94; Graduate Student in Biology, 1895-97; Teacher of Physiology and Zoology in the Girls' High School, Brooklyn, New York City, 1897-1908; Fellow of the New York Academy of Science; Chairman of the Section of Biology of the New York State Science Teachers' Association, 1906.

CADY, MARY LOUISE, See page 22.
Fellow in Greek, 1905-06.

CAM, HELEN MAUD, Astell House, Cheltenham, England.
Fellow in History, 1908-09. B.A., University of London, 1908, and M.A., 1909. Royal Holloway College, 1904-07. Assistant Mistress, Cheltenham Ladies' College, 1909-10.

CHAMBERLAIN, ETHEL MARY, ... 915 North Broad Street, Galesburg, Ill.
Fellow in Philosophy, 1908-09. A.B., Lombard College, 1906. Graduate Scholar, University of Chicago, 1907-08, and Fellow in Psychology, 1909-10.

CLARK, MABEL PARKER, 145 West 78th Street, New York City.
Fellow in English, 1889-90. A.B., Bryn Mawr College, 1889, group, Greek and English, and A.M., 1890. Reader in English, and Graduate Student, 1890-93; Graduate Student, Barnard College, 1893-94.
Married, 1894, *Dr. John Henry Huddleston*.

CLARKE, MARY PATTERSON, 721 Illinois Street, Lawrence, Kan.
Fellow in History, 1906-07. A.B., University of Kansas, 1903, and A.M., 1905. Graduate Student, University of Kansas, 1904-05, and Fellow in History, 1905-06; Principal and Teacher of History in the High School, Cartersville, Mo., 1907-08.

CLOUGH, IDA PRESCOTT, 37 Cedar Street, Somerville, Mass.
Fellow in Latin, 1900-01. A.B., Radcliffe College, 1896, and A.M., 1900. Graduate Student, Radcliffe College, 1899-1900; University of Berlin, 1901-02.

COLE, ANNA LEWIS,
Care of Mrs. J. Patton, Kate Avenue, Baltimore, Md.
Fellow in Romance Languages, 1895-96. A.B., Woman's College of Baltimore, 1892, and A.M., 1894. Student in English and French, Sorbonne, 1894-95; Head Teacher of Modern Languages, Winthrop Normal and Industrial College, Rock Hill, S. C., 1897-1903, 1904-05; Fellow in Romance Languages, University of Chicago, 1903-04; Head of French Department, Friends' Central School, Philadelphia, 1905-07; Graduate Student, Bryn Mawr College and University of Pennsylvania, 1906-07; Teacher of French in Sweet Briar College, Sweet Briar, Va., 1907-08, and Head of French Department, 1908-10.

COLIN, THÉRÈSE F., Wellesley College, Wellesley, Mass.
Fellow in Romance Languages, 1893-94. Diplômée et agrégée, Collège de Neuchâtel, 1875; A.M., Leland Stanford, Jr., University, 1893; Ph.D., University of Pennsylvania, 1897; Officier de l'Instruction Publique, Paris, 1906; Muséum d'Histoire Naturelle, Paris, 1883-85; University of the City of New York, 1887-88; Reader in Romance Languages, and Graduate Student, Bryn Mawr College, 1894-96; Student in Romance Philology and Literature, Sorbonne, Collège de France, Ecole des Hautes Etudes, Ecole des Chartes, Paris, 1895; Head of French Department in Miss Florence Baldwin's School, Bryn Mawr, Pa., 1896-1904; Associate Professor of French, Wellesley College, 1904-06, Professor-Elect, 1906-07, and Professor of French Language and Literature, 1907-10, and Head of the Department of French, 1905-10.

Married, —, *Mr. Alfred Colin*.

COOPER, ELVA, 942 Winchester Street, Milwaukee, Wis.
Fellow in Mathematics, 1907-08. A.B., University of Wisconsin, 1904, and A.M., 1906. Student in Mathematics, University of Wisconsin, 1905-06; Graduate Scholar in Mathematics, University of Wisconsin, and Teacher of Mathematics, 1906-07. Instructor in Mathematics, University of Washington, 1908-09.

CUMMINGS, LOUISE D.,

256 Main Street, East, Hamilton, Ontario, Canada.

Fellow in Mathematics, 1898-99. A.B., University of Toronto, 1895, and A.M., 1902. Fellow, University of Pennsylvania, 1896-97; Examiner in Mathematics, University of Toronto, 1897; Graduate Student, University of Chicago, 1897-98; Fellow by Courtesy in Mathematics, Bryn Mawr College, 1900; Instructor in Mathematics, St. Margaret's College, Toronto, Ont., 1901-02; Instructor in Mathematics, Vassar College, 1902-10; Graduate Scholar, Bryn Mawr College, Second Semester, 1905-06.

DENIS, WILLEY,1420 General Taylor Street, New Orleans, La.

Fellow in Chemistry, 1902-03. A.B., Tulane University, 1899, and A.M., 1902; Ph.D., University of Chicago, 1907. Graduate Student, Bryn Mawr College, 1899-1901; Tulane University, 1901-02, 1903-04, University of Chicago, 1905-07; Assistant Chemist, U. S. Department of Agriculture, Bureau of Foods, 1907-09.

DOVER, MARY VIOLETTE,

194 Hunter Street, East, Peterboro, Ontario, Canada.

Fellow in Chemistry, 1905-06. A.B., McGill University, 1898, and M.Sc., 1900. Ph.D., University of Breslau, 1906-08. Instructor in Chemistry, Mt. Holyoke College, 1909-10.

DUDLEY, LOUISE,See page 18.

Fellow in English, 1906-07.

EDDY, HELEN MAY,Marengo, Ia.

Fellow in Latin, 1904-05. A.B., University of Iowa, 1900, and A.M., 1903. Fellow in Latin, University of Iowa, 1901-04. Teacher of Latin in the High School, Fairfield, Ia., 1905-06, and of Latin and Greek in the Winona Park School for Women, Winona Lake, Ind., 1906-08; Teacher of Latin and German in the State Normal School, Mayville, N. D., 1908-10.

EDMAND, MARIETTA JOSEPHINE,

1062 Berwyn Avenue, Edgewater, Chicago, Ill.

Fellow in Latin, 1897-98. A.B., Central University of Iowa, 1887, and A.M., 1890; A.B. and A.M., University of Chicago, 1897. Assistant in Academic Department, Iowa Wesleyan University, 1887-90, and Principal of Academic Department, 1890-93; Professor of Latin, Iowa Wesleyan University, 1893-95; Graduate Student in Greek and Latin, University of Chicago, 1895-97; Professor of Latin and Greek, Milwaukee-Downer College, Milwaukee, Wis., 1898-99, and Professor of Latin, 1899-1903; American School of Classical Studies, Rome, 1901-02.

Married, 1903, *Dr. Frederic Perry Noble*.

EDWARDS, KATHARINE MAY,39 Wilder Hall, Wellesley, Mass.

Fellow in Greek, 1888-89. A.B., Cornell University, 1888, and Ph.D., 1895. Instructor in Greek, Wellesley College, 1889-93; Graduate Student, Cornell University, 1893-94; Associate Professor of Greek, Wellesley College, 1894-1901, and Associate Professor of Greek and Comparative Philology, 1901-10.

ELLIS, ELLEN DEBORAH,See page 22.

Fellow in Economics and History, 1904-05.

EVERS, HELEN MARGARET,508 S. Fifth Street, Columbus, Mo.

Fellow in Romance Languages, 1903-05. A.B., Washington University, 1899; A.M., University of Missouri, 1902; Ph.D., Bryn Mawr College, 1905, subjects, French and Spanish. Graduate Student, University of Missouri, 1901-02; Fellow in Romance Languages, 1902-03; Teacher of French in the Gleim School, Pittsburgh, Pa., 1906-07; Acting Instructor in Romance Languages, University of Missouri, 1905-06, and Instructor, 1907-09.

FAHNESTOCK, EDITH,18 Lincoln Street, New Rochelle, N. Y.

Fellow in Romance Languages, 1897-98. L.B., Western Reserve University, 1894. University of Zürich and Sorbonne, 1894-96; Mistress of Modern Languages, Mississippi Industrial Institute and College, Columbus, Miss., 1898-1901, 1902-05; Graduate Scholar and Fellow by Courtesy in Romance Languages, Bryn Mawr College, 1901-02, and Graduate Scholar, 1906-07; Instructor in Romance Languages, Mt. Holyoke College, 1907-08, and in Vassar College, 1908-10.

FAIRBANKS, CHARLOTTE,5226 Spruce Street, Philadelphia.

Fellow in Chemistry, 1896-97. A.B., Smith College, 1894; Ph.D., Yale University, 1896; M.D., Woman's Medical College of Pennsylvania, 1902. Instructor in Chemistry, Wellesley College, 1897-99; Woman's Medical College of Pennsylvania, 1899-1902; Physician, 1905-07; Instructor in Chemistry and Materia Medica, Woman's Medical College of Pennsylvania, 1906-07.

FAIRCLOUGH, ELIZABETH MARY,

228 Market Street, Hamilton, Ontario, Canada.

Fellow in Greek, 1893-94. A.B., McGill University, 1893. Private Tutor, 1898-1900.

FARNHAM, LOIS ANNA,22 Old Lancaster Road, Bryn Mawr, Pa.

Fellow in Economics and Politics, 1901-02. A.B., Bryn Mawr College, 1900, group, History and Political Science, and A.M., 1901. Graduate Scholar in History, Political Science, and Law, Bryn Mawr College, 1900-01.

Married, 1903, *Professor David Wilbur Horn*.

FOGG, EMILY,113 S. Wycombe Avenue, Lansdowne, Pa.

Fellow in History, 1897-98. Wellesley College, 1889-91; A.B., University of Chicago, 1897. Graduate Scholar and Fellow by Courtesy in History, 1898-99; Fellow in Sociology, University of Pennsylvania, 1899-1900; Student, University of Pennsylvania, and Teacher of Economic Geography in Mrs. Head's School, Germantown, Philadelphia, and of History in the Misses Shipley's School, Bryn Mawr, Pa., 1900-01.

Married, 1900, *Professor Edward Sherwood Meade*.

FOWLER, EUGENIA,90 Morningside Avenue, West, New York City.

Fellow in Physics, 1902-03. A.B., Bryn Mawr College, 1901, and A.M., 1902. Mistress of Llanberis, and Graduate Student, Bryn Mawr College, 1901-02; Secretary and Manager of Athletics, St. Timothy's School, Catonsville, 1903-07; Manager of Low Buildings, Bryn Mawr College, 1908-09.

Married, 1909, *Mr. M. K. Neale*.

FRANCE, WILMER CAVE,Low Buildings, Bryn Mawr, Pa.

Fellow in Greek, 1892-93. Girton College, University of Cambridge, England, 1888-92; Classical Tripos, 1892; Ph.D., University of Chicago, 1895; Fellow in Latin, University of Chicago, 1893-94, and Fellow in Greek, 1894-95; Reader in Greek and Latin, University of Chicago, 1895-96; Reader in Classical Literature, Bryn Mawr College, 1897-99; Associate in Classical Literature, 1899-1901, Associate in Greek, 1901-03, 1905-06, Lecturer in Greek Literature, 1906-07, and Associate Professor of Greek, 1907-10.

Married, 1906, *Mr. J. Edmund Wright*.

FRANKLIN, SUSAN BRALEY,

63rd Street and Central Park West, New York City.

Fellow in *Greek, 1889-90. A.B., Bryn Mawr College, 1889, group, Greek and Latin, and Ph.D., 1895, subjects, Greek, Latin, and Sanskrit. Fellow by Courtesy in Greek, 1890-93; Graduate Student, Bryn Mawr College, 1890-93, and second semester, 1901-03; Holder of the American Fellowship of the Association of Collegiate Alumnae, 1892-93; Instructor in Latin, Vassar College, 1893-97; American School of Classical Studies, Athens, and University of Berlin, 1898-99; Teacher of Greek and Latin in Miss Florence Baldwin's School, Bryn Mawr, Pa., 1897-98, and 1899-1904; Head of the Classical Department, Ethical Culture School, New York City, 1904-10.

GAGE, KITTY AUGUSTA,New Paltz, N. Y.

Fellow in Greek, 1885-86. A.B., Boston University, 1878; A.M., Cornell University, 1885. Teacher of Latin and French in the State Normal School, New Paltz, 1893-1909.

GATES, FANNY COOK,402 Franklin Street, Waterloo, Ia.

Fellow in Mathematics, 1896-97. B.S., Northwestern University, 1894, and M.S., 1895. Ph.D., University of Pennsylvania, 1909. Fellow in Mathematics, Northwestern University, 1894-95; Graduate Scholar in Mathematics, Bryn Mawr College, 1895-96; Holder of European Fellowship of the Association of Collegiate Alumnae, and Student in Mathematics and Physics, University of Göttingen, 1897-98; Graduate Student, University

of Chicago, Summer Term, 1899; Instructor in Physics, Woman's College of Baltimore, 1898-1901, Associate Professor of Physics, 1901-06, and Professor of Physics, 1906-10; Research Student, McGill University, 1902-03; Research Student, Cavendish Laboratory, Cambridge, England, April to August, 1905 and 1906.

GENTRY, RUTH,Stilesville, Ind.

Fellow in Mathematics, 1890-91. Ph.B., University of Michigan, 1890; Ph.D., Bryn Mawr College, 1896, subjects, Mathematics and Physics. Fellow by Courtesy in Mathematics, Bryn Mawr College, 1893-94; Holder of the European Fellowship of the Association of Collegiate Alumnae, and Student in Mathematics, University of Berlin, 1891-92; Student at the Sorbonne, 1892-93; Instructor in Mathematics, Vassar College, 1894-1900, and Associate Professor of Mathematics, 1900-02; Associate Principal of Private School, Pittsburgh, Pa., and Head of Department of Mathematics, 1902-05.

GORDON, WILHELMINA,

Queen's University, Kingston, Ontario, Canada.

Fellow in Latin, 1906-07. M.A., Queen's University, 1905. Graduate Scholar in English, Bryn Mawr College, 1905-06, Somerville College, Oxford, England, 1908-09. Tutor in English, Queen's University, 1909-10.

GRAHAM, ELLEN MAUD,Owen Sound, Ontario, Canada.

Fellow in History, 1896-97. A.B., University of Toronto, 1896. Canadian Government Teacher in South Africa, 1902-04; Teacher of Modern Languages, Harriston, Ont., 1905-06; Principal of the Girls' High School, Quebec, P. Q., 1906-09.

GRAHAM, MINNIE ALMIRA,34 Park Place, Lockport, N. Y.

Fellow in Chemistry, 1906-07. A.B., Mount Holyoke College, 1900; A.M., University of Michigan, 1906. Teacher of Mathematics and Science in the High School, Hancock, N. Y., 1900-01, and Instructor in Chemistry, Mount Holyoke College, 1902-05; Student in Physics, Massachusetts Institute of Technology, First Semester, and Teacher of Science in the High School, Braintree, Mass., 1901-02; Graduate Student, University of Michigan, and Holder of the '86 Fellowship of Mount Holyoke College, 1905-06; Professor of Chemistry, Lake Erie College, 1907-10.

GRIFFIN, HATTIE JOSEPHINE,North Bend, Ore.

Fellow in Latin, 1899-1900. A.B., University of Wisconsin, 1898, and A.M., 1902. Alumni Fellow in Latin, University of Wisconsin, 1898-99; Fellow in Latin, University of Wisconsin, 1901-02; Assistant in the High School, Crystal Falls, Michigan, 1902-03; Professor of Ancient and Modern Languages, Nebraska Central College, 1903-07; Principal of the High School, North Bend, 1907-09, and Teacher of Latin and English, 1909-10.

GWINN, MARY,33 Mount Vernon Place East, Baltimore, Md.

Fellow in English, 1885-87. University of Leipsic, 1879-82; University of Zürich, 1882; Sorbonne and Collège de France, 1883. Ph.D., Bryn Mawr College, 1888. Graduate Student, Bryn Mawr College, 1887-88, and Associate in English, 1888-93; Associate Professor of English, Bryn Mawr College, 1893-97, and Professor of English, 1897-1904.

Married, 1904, *Mr. Alfred Hodder*.

HAHN, DOROTHY ANNA,Box 344, South Hadley, Mass.

Fellow in Chemistry, 1907-08. A.B., Bryn Mawr College, 1899, group, Chemistry and Biology. Professor of Chemistry and Biology, Pennsylvania College for Women, Pittsburgh, Pa., 1899-1906; Professor of Biology, Kindergarten College, Pittsburgh, 1904-06; Student, University of Leipsic, 1906-07; Instructor in Chemistry, Mount Holyoke College, 1908-10.

HAINES, JANE BOWNE,Cheltenham, Pa.

Fellow in History, 1892-93. A.B., Bryn Mawr College, 1891, group, History and Political Science, and A.M., 1892. Graduate Student, Bryn Mawr College, 1891-92, 1893-94, and Associate Librarian, 1895-98; Student, New York State Library School, Albany, N. Y., 1898-99; Assistant in the Cataloguing Division, Library of Congress, Washington, D. C., 1900-03; Private Indexer and Bibliographer, 1903-10.

- HAMILTON, EDITH,See page 23.
Fellow in Latin, 1894-95.
- HANINGTON, FLORENCE,59 Stanley Avenue, Ottawa, Canada.
Fellow in Mathematics, 1905-06. A.B., Trinity University, 1904. Graduate Scholar in Mathematics, Bryn Mawr College, 1904-05; Secretary of Bryn Mawr College, 1906-07.
Married, 1907, *Mr. Charles Reginald Carter*.
- HARDCASTLE, FRANCES, ..31 Boundary Road, London, N. W., England.
Fellow in Mathematics, 1894-95. M.A., Trinity College, Dublin, 1907. Girton College, University of Cambridge, England, 1888-92; Mathematical Tripos, Part I, 1891; Part II, 1892. Graduate Student in Mathematics, Bryn Mawr College, 1892-93; Honorary Fellow in Mathematics, University of Chicago, 1893-94; Graduate Student in Mathematics, Girton College, 1895-96; Pfeiffer Student of Girton College, 1902-03; Hon. Secretary, National Union of Women's Suffrage Societies, London, 1906-09.
- HARMON, ESTHER,See page 15.
Fellow in German, 1908-09.
- HARPER, CARRIE ANNA,Sunderland, Mass.
Fellow in English, 1898-99. A.B., Radcliffe College, 1896, and A.M., 1898. Graduate Scholar in English, Bryn Mawr College, 1896-97; Graduate Student in English, Radcliffe College, 1897-98, 1906-07; Teacher of English in the Gilman School, Cambridge, Mass., 1899-1907; Instructor in English Literature, Mt. Holyoke College, 1907-10.
- HARRIS, ELIZABETH,Clayton, Mo.
Fellow in Greek, 1890-91. A.B., Bryn Mawr College, 1890, group, Greek and Latin, and A.M., 1891. Teacher of Greek and Latin in the Collegiate Grammar School, New York City, 1891-92; Teacher of Greek and Latin in Miss Florence Baldwin's School, Bryn Mawr, Pa., 1892-96.
Married, 1896, *Professor Edward Harrison Keiser*.
- HARRISON, ELIZABETH,8 Linnet Lane, Liverpool, England.
Fellow in Greek, 1906-07. Liverpool University College, 1897-98; Newnham College, University of Cambridge, England, 1898-1902; Classical Tripos, Part I, 1901; Part II, 1902; Temporary Assistant Lecturer in Latin, University of Liverpool, and Private Tutor, 1908-10.
- HAZEN, ANNAH PUTNAM,White River, Vt.
Fellow in Biology, 1898-99. L.B., Smith College, 1895; S.M., Dartmouth College, 1897. Graduate Student in Biology, Dartmouth College, 1895-96; Graduate Scholar in Biology, Bryn Mawr College, 1897-98; Teacher of Biology in the State Normal School, Plymouth, N. H., 1899-1900; Assistant in Zoology, Smith College, 1900-03; Teacher of Biology in the Wadleigh High School, New York City, 1903-09; First Assistant in Biology, Eastern District High School, New York City, 1909-10.
- HAZLEWOOD, CHARLOTTE WILLIAMS,161 Allen Avenue, Lynn, Mass.
Fellow in Greek, 1898-99. A.B., Wellesley College, 1891. Teacher of Greek and Latin in the Classical High School, Lynn, 1891-96; Graduate Student, Yale University, 1896-97, and Graduate Scholar, 1897-98; Substitute Teacher, Shaw University, Raleigh, N. C., Second Semester, 1908-09.
- HENRY, MARGARET EDITH,University of Texas, Austin, Tex.
Fellow in Philosophy, 1900-01. A.B., University of Nebraska, 1898, and A.M., 1900; A.M., Radcliffe College, 1902. Graduate Scholar in Philosophy, University of Nebraska, 1898-99, and Fellow, 1899-1900; Graduate Student, Radcliffe College, 1901-02.
Married, *Dr. Alvin Saunders Johnson*.
- HICKS, AMY MAUD,
33 Downside Crescent, Hampstead, London, England.
Fellow in Greek, 1904-05. A.B., University of London, 1900, and A.M., 1901. Student, Girton College, University of Cambridge, England, 1895-99, Classical Tripos, Part I, 1898, Part II, 1899; Student, University College, London, 1900-02; Teacher of Classics in St. Mary's College, Paddington, London, 1906-09.

HIGHET, MINNIE ELIZABETH,Cobourg, Ontario, Canada.

Fellow in German and Teutonic Philology, 1896-97. A.B., Victoria University, 1891, and A.M., 1892; Ph.M., Cornell University, 1894, and Ph.D., 1895. Teacher of Modern Languages, Bowmanville High School, 1892-93; Professor of Modern Languages and History, State Normal School, New Paltz, N. Y., 1897-1900; University of Berlin, 1901-02; Professor of German, Elmira College, 1902-10.

HILL, SARAH D.,Lincoln, Neb.

Fellow in Teutonic Philology, 1904-05. A.B., Earlham College, 1901. Graduate Scholar, Bryn Mawr College, 1903-04; Assistant in German and French, Earlham College, 1905-08.

Married, 1908, *Mr. Milton D. Baumgartner*.

HOOPER, EDITH SOPHIA,

Heathersby, Chislehurst Road, Kent, England.

Fellow in English, 1900-01. M.A., University of Edinburgh, 1900, Honours in Philosophy, 1899, in English, 1900.

HOPKINS, MARY DELIA,Clinton, N. Y.

Fellow in English, 1896-97. A.B., Bryn Mawr College, group, English and German, and A.M., 1896. Reader in English, and Graduate Student, Bryn Mawr College, 1897-98, and Reader in English, 1899-1901; Teacher of Latin and English in the Granger Place School, Canandaigua, N. Y. 1902-04; Teacher of English in the Balliol School, Utica, N. Y., 1901-02, and of English, German, and Latin, 1905-07; Teacher of English and Latin in Miss Davidge's School, New York City, and Private Tutor, 1904-05; Teacher of Latin and English in the Veltin School, New York City, and Graduate Student, Columbia University, 1908-09.

HOWELL, JEAN KIRK,123 West 7th Street, Plainfield, N. J.

Fellow in Biology, 1891-92. Ph.B., Cornell University, 1888, and S.M., 1890. Assistant in Botany, Barnard College, 1892-96; Teacher of Science in the Phillips High School, Watertown, Mass., 1898-99; Teacher of Science in Miss Ingol's School, Cambridge, Mass., 1899-1905, and in the Plainfield Seminary, Plainfield, 1905-10.

HUGHES, WINONA ALICE,271 West Church Street, Marion, O.

Fellow in Chemistry, 1900-01. Ph.B., University of Wooster, 1891. Graduate Student, Cornell University, Summer School, 1894; Harvard University, Summer School, 1895; University of Chicago, 1897-99; Teacher of Science in the Public Schools, Marion, 1892-97, and in the High School, Mansfield, O., 1899-1900; Teacher of Science in the High School, Ottumwa, Ia., 1901-02; Teacher of Chemistry and Zoology in the High School Mansfield, 1902-06; Instructor in Chemistry, Mt. Holyoke College, 1906-10.

HUTCHINSON, ANABELLE ROXBURGH,

Brookside, Catterick, Yorkshire, England.

Fellow in Romance Languages, 1899-1900. Newnham College, University of Cambridge, England, 1895-99; Mediæval and Modern Languages Tripos, 1898; Sorbonne, 1900-01; Assistant Librarian, University Library, Cambridge, 1902-05; Assistant Lecturer in French, Newnham College, 1902-06; Tutor in French and Italian, University Correspondence College, Cambridge, and Examiner in French and Italian, Joint Board Matriculation, Manchester University, 1909-10.

HYDE, IDA H.,Lawrence, Kan.

Fellow in Biology, 1892-93. S.B., Cornell University, 1891; Ph.D., University of Heidelberg, 1896. Student Assistant in Biology, Bryn Mawr College, 1891-92; Holder of the European Fellowship of the Association of Collegiate Alumnae, and Student in Biology, University of Strassburg, 1893-94; Holder of the Phebe Hunt Fellowship of the Association of Collegiate Alumnae, and Student in Biology, University of Heidelberg, 1894-96; Teacher of Science in Miss Ingol's School, Cambridge, Mass., 1898-99; Professor of Physiology, and Head of Department of Physiology, University of Kansas. 1899-1910.

HYDE, WINIFRED FLORENCE,Berggasse 1, Jena, Germany.

Fellow in Philosophy, 1902-04. A.B., University of Nebraska, 1900. Scholar in Philosophy, University of Nebraska, 1900-01; University of Denver, Summer of 1901; Teacher in the High School, Lincoln, Neb., 1901-02; Scholar in Philosophy, Cornell University, 1904-05; Holder of the European Fellowship of the Boston Woman's Educational Association, 1905-06, and Student at the University of Jena, 1905-10.

ISHAM, MARY KEYT,849 Oak Street, Walnut Hills, Cincinnati, O.

Fellow in Philosophy, 1899-1900. A.B., Wellesley College, 1894; A.M., University of Cincinnati, 1898. M.D., Laura Memorial Medical College, 1903. Graduate Student in Philosophy and Psychology, University of Cincinnati, 1897-98; Graduate Student in Philosophy and Psychology, University of Chicago, 1898-99; Lecturer on Psychology and Student, Laura Memorial Medical College, Cincinnati, 1900-03; Intern and House Physician at the Presbyterian Hospital, Cincinnati, 1903-04; Physician, 1904-08; Secretary, Academy of Medicine of Cincinnati, 1907-08; Assistant Physician, Columbus State Hospital, Columbus, O., 1908-10.

JONES, LAURA LUCINDA,Box 353, Cobourg, Ontario, Canada.

Fellow in English, 1894-95. A.B., University of Toronto, 1891. Teacher of Modern Languages in the Collegiate Institute, Kingston, Ont., 1895-97; Teacher of English, and Student in German in the Höhere Töchter Schule Tegeler, Eberswalde, Berlin, 1897-98; Teacher of English, French, and German in the Collegiate Institute, Cobourg, 1898-1909; Member of the Board of the Public Library, Cobourg, 1904-08.

KEYS, FLORENCE V.,College Avenue, Poughkeepsie, N. Y.

Fellow in Greek, 1891-92; Fellow in English, 1892-93. A.B., University of Toronto, 1891. Examiner in English, University of Toronto, 1894-95; Reader in English, Bryn Mawr College, 1893-97, and Graduate Student in English, 1895-96; University of Oxford, England, 1897-98; University of Berlin, 1898-99; Reader in English, College Entrance Examination Board, 1900-02; Student, University of Munich, 1904-05; Instructor in English, Vassar College, 1899-1904, and Associate Professor of English, 1904-10.

KING, GEORGIANA GODDARD,Low Buildings, Bryn Mawr, Pa.

Fellow in Philosophy, 1896-97; Fellow in English, 1897-98. A.B., Bryn Mawr College, and George W. Childs Prize Essayist, 1896, group, Political Science and Philosophy, and A.M., 1897. Student at the Collège de France, First Semester, 1898-99; Teacher of English, Philosophy, and History of Art in the Misses Graham's School, New York City, 1899-1906; Reader in English, Bryn Mawr College, 1906-10.

KING, HELEN DEAN,Bryn Mawr, Pa.

Fellow in Biology, 1897-98. A.B., Vassar College, 1892; Ph.D., Bryn Mawr College, 1901, subjects, Morphology, Palæontology, and Physiology. Graduate Student in Biology, Vassar College, and Assistant in the Biological Laboratory, 1894-95; Graduate Scholar in Biology, Bryn Mawr College, 1895-96, and Graduate Student in Biology, 1896-97 and 1901-06, and Fellow by Courtesy in Biology, 1898-1901; Teacher of Science in Miss Florence Baldwin's School, Bryn Mawr, Pa., 1899-1907; University Fellow for Research in Zoology, University of Pennsylvania, 1906-08; Investigator, Wistar Institute of Anatomy and Biology, Philadelphia, 1908-09, and Assistant in Anatomy, 1909-10.

KING, LIDA SHAW,

Women's College in Brown University, Providence, R. I.

Fellow in Greek, 1899-1900. A.B., Vassar College, 1890; A.M., Brown University, 1894. Fellow in Greek, Vassar College, 1894-95; Instructor in Greek and Latin, Vassar College, 1895-97; Graduate Student in Greek and Greek History, Harvard University, 1897-98; Instructor in Latin, Packer Collegiate Institute, Brooklyn, New York City, 1898-99; Student, American School of Classical Studies, Athens, 1899-1901; Holder of the Agnes Hoppin Memorial Fellowship, 1900-01; Director of Classical Department, Packer Collegiate Institute, 1901-02; Dean of the Women's College in Brown University, 1905-10; Assistant Professor of Classical Philology, 1905-09, and Professor of Classical Literature and Archæology, 1909-10.

LAIRD, ELIZABETH REBECCA,See page 24.

Fellow in Physics, 1897-98.

- LAMBERTON, HELEN**,753 Corinthian Avenue, Philadelphia.
Fellow in Physics, 1908-09. A.B., Bryn Mawr College, 1907, and A.M., 1908. Graduate Scholar in Physics, Bryn Mawr College, 1907-08; Teacher of Mathematics in the Philadelphia High School for Girls, 1909, and Teacher of Physics, 1909-10; Graduate Student in Physics, University of Pennsylvania, 1909-10.
- LANGENBECK, CLARA**,See page 24.
Fellow in Biology, 1895-96.
- LEFTWICH, FLORENCE**,See page 24.
Fellow in Romance Languages, 1902-03.
- LEWIS, FLORENCE**,See page 24.
Fellow in Philosophy, 1898-99.
- Longbottom, Gertrude**, ..The Hollies, Louth, Lincolnshire, England.
Fellow in Mathematics, 1897-98. Girton College, University of Cambridge, England, 1893-97; Mathematical Tripos, Part I, 1896; Part II, 1897. M.A., Trinity College, Dublin, 1905. Teacher of Latin in the Municipal Technical School, Louth, 1899-1900, and Teacher of Mathematics, 1900-06; Governor of King Edward VI Girls' Grammar School, Louth, 1902-09; Manager of the Louth British (Elementary) School, 1904-09; Private Tutor, 1909-10.
- LORD, ELEANOR LOUISA**,46 Auburn Street, Malden, Mass.
Fellow in History, 1889-90, 1895-96. A.B., Smith College, 1887, and A.M., 1890; Ph.D., Bryn Mawr College, 1898, subjects, History and Political Science. Instructor in History, Smith College, 1890-94; Holder of the European Fellowship of the Women's Educational Association of Boston, and Student in History, Newnham College, University of Cambridge, England, 1894-95; Instructor in History, Woman's College of Baltimore, 1897-1901; Associate Professor, 1901-04, and Professor of History, 1904-10; President of the History Teachers' Association of Maryland, 1908-09.
- LOVELL, HELEN LOUISA**,Hardin College, Mexico, Mo.
Fellow in Greek, 1887-88. A.B., University of Michigan, 1887. Graduate Student, University of Michigan, 1888-89; Teacher of Latin and History in the Girls' Classical School, Indianapolis, Ind., 1889-90; Associate in Greek and Latin, Woman's College of Baltimore, 1890-91, and Associate Professor, 1891-93; Acting Professor of Greek and Latin, Earlham College, 1893-94; Graduate Student, University of Chicago, 1894-95, and Fellow in Greek, 1895-96; Professor of Greek, Hardin College, Mexico, 1896-1900, Professor of Greek and Philosophy, 1900-05, and Professor of Latin and Greek, 1905-09.
Married, 1896, *Mr. John Wilson Million*.
- LOWATER, FRANCES**,Bryn Mawr, Pa.
Fellow in Physics, 1896-97. B.Sc., University of London, 1900; Ph.D., Bryn Mawr College, 1906, subjects, Physics, Mathematics and Applied Mathematics, University College, Nottingham, England, 1888-91, 1892-93; Newnham College, University of Cambridge, England, 1891-92; Demonstrator in Physics, Bryn Mawr College, 1893-96, 1897-98, 1899-1905, and 1907-10; Graduate Scholar in Physics, 1897-98, and Graduate Student in Physics and Mathematics, 1894-96, 1899-1900; Secretary of Bryn Mawr College, 1898-99.
- LUNDIE, ELIZABETH HELEN**,36 Fort Street, Montreal, Canada.
Fellow in Physics, 1905-06. A.B., McGill University, 1903, and M.Sc., 1904. Assistant in Chemistry in the High School, Montreal, 1908-10.
- MACDONALD, MARGARET BAXTER**,State College, Pa.
Fellow in Chemistry, 1898-99. Pennsylvania State College, 1893-95; B.S., Mt. Holyoke College, 1898; Ph.D., Bryn Mawr College, 1902, subjects, Chemistry and Physiology. Student Assistant in Chemical Laboratory, Mt. Holyoke College, 1895-97; Graduate Scholar in Chemistry and Physiology, Bryn Mawr College, 1897-98, and Pepper Fellow in Chemistry, University of Pennsylvania, 1899-1900; Graduate Scholar and Fellow by Courtesy in Chemistry, Bryn Mawr College, 1900-01; Teacher of Chemistry and Physics, Asheville College, Asheville, N. C., 1901-02; Professor of

Chemistry, New Jersey State Normal School, 1902-04; Instructor in Chemistry, Vassar College, 1905-06; Assistant Chemist, Delaware College Experimental Station, 1906-07; Instructor in Chemistry, Pennsylvania State College, 1907-09, and Assistant Professor of Agricultural Chemistry, 1909-10.

MADDISON, ISABEL, See page 24.

Fellow in Mathematics, 1893-94.

MANN, CARRIE ALICE.

Fellow in Mathematics, 1903-04. A.B., Wellesley College, 1893. Graduate Student, Bryn Mawr College, and Teacher of Mathematics in the Misses Kirk's School, Rosemont, Pa., 1901-03; Teacher of Mathematics in Mrs. Chapman and Miss Jones's School, Chestnut Hill, Philadelphia, 1904-05.

Died, 1905.

MARCUSE, BELLA,

6 Frontenac Apartments, 442 Sanguinet Street, Montreal, Canada.

Fellow in Chemistry, 1904-05. A.B., McGill University, 1900, and M.Sc., 1903. Student, University of Breslau, 1900-01; Assistant, McGill Model School, Montreal, Canada, January to June, 1904; Student in French, McGill University, 1905-07, and Private Tutor, 1905-08; Recording Secretary of the National Council of Women of Canada, 1908-09.

Married, 1908, *Dr. Douglas McIntosh*.

MARTIN, EMILIE NORTON, See page 25.

Fellow in Mathematics, 1895-96.

MASON, GERTRUDE HELEN, 2627 Channing Way, Berkeley, Cal.

Fellow in English, 1887-88. Ph.B., University of Michigan, 1876, and Ph.M., 1888. Graduate Student in English, University of Michigan, 1888-89; Teacher of English in the High School, Petaluma, Cal., 1889-95, in the High School, San Diego, Cal., 1895-96; Graduate Student in English, Leland Stanford, Jr., University, 1896-97 and 1900-01; Assistant to Dr. Ewald Flügel on Chaucer Lexicon, 1904-05; Teacher of English in the Kern County High School, Bakersfield, Cal., 1897-98, and in the Union High School, Haywards, Cal., 1899-1900; Private Tutor in English, 1900-02, 1905-09.

MCNAIR, GRACE ELIZABETH, Brodhead, Wis.

Fellow in History, 1900-01. L.B., University of Wisconsin, 1898, and L.M., 1899. Assistant in History in the High School, Madison, Wis., 1899-1900; Assistant in Latin, German, and History in the High School, Brodhead, 1902-04; Assistant in History in the High School, Neenah, Wis., 1904.

MERRILL, KATHARINE, Boston Normal School, Boston, Mass.

Fellow in English, 1890-91. A.B., University of Kansas, 1889. Graduate Student in English, Bryn Mawr College, 1889-90; Harvard Annex, 1891-92; Assistant Professor of English Language and Literature, University of Illinois, 1892-97; Fellow in English, University of Chicago, 1897-98; Teacher of English, Austin High School, Chicago, Ill., 1898-1903; Teacher of the History of Literature in the Leland Powers School of the Spoken Word, Boston, 1905-08; Teacher in the Department of Expression and Reading, Boston Normal School, 1908-09.

MILES, CAROLINE, 5728 Madison Avenue, Chicago, Ill.

Fellow in History, 1891-92. A.B., Earlham College, 1887; A.M., University of Michigan, 1890, and Ph.D., 1892. Teacher of Latin in the Friends' Academy, Bloomingdale, Ind., 1888-89; University of Michigan, 1889-91; Instructor in Philosophy and Political Economy, Mt. Holyoke College, 1892-93; Tutor in History, Wellesley College, 1893-94, and Instructor in Psychology, 1894-95; University Extension Work, Chicago, 1897-1900; Assistant Reference Librarian, John Crerar Library, Chicago, 1900-04.

Married, 1895, *Mr. William Hill*.

MILLMAN, MABEL HELEN, 490 Huron Street, Toronto, Ontario, Canada.

Fellow in French, 1908-09. A.B., University of Toronto, 1907. Graduate Student, University of Toronto, June, 1907, to January, 1908; Teacher of History in the Westbourne School, Toronto, January to June, 1908, and of Latin in Havergal College, Toronto, April to June, 1908.

MORRIS, MARGARET SHOVE, ... 1904 Mt. Royal Avenue, Baltimore, Md.
Fellow in History, 1907-08. A.B., Woman's College of Baltimore, 1904.
Holder of Foundation Scholarship, Bryn Mawr College, 1904-06; Holder of
the Alumnae Fellowship of the Woman's College of Baltimore and Research
Student at the Public Record Office, London, 1906-07; Instructor in His-
tory, Mt. Holyoke College, 1908-10.

MORSE, KATE NILES, See page 25.
Fellow in Greek, 1900-01.

MORY, RUTHELLA BERNARD, The Somerset, Baltimore, Md.
Fellow in History, 1899-1900. A.B., Woman's College of Baltimore, 1897;
Ph.M., University of Chicago, 1899. Student in English and History, Uni-
versity of Oxford, England, 1897-98; Graduate Student in History and
History of Art, University of Chicago, 1898-99; Student, London School
of Economics, 1900; Research work in History in the British Museum and
in the Public Record Office, London, 1900-02.

Married, 1903, *Mr. Arthur Barneveld Bibbins.*

NEILSON, NELLIE, Mt. Holyoke College, South Hadley, Mass.
Fellow in History, 1894-95. A.B., Bryn Mawr College, 1893, group, Greek and
English, A.M., 1894, and Ph.D., 1899, subjects, History and English. Grad-
uate Student, Bryn Mawr College, 1893-94, 1895-96, 1900-01; Holder of
the American Fellowship of the Association of Collegiate Alumnae, 1895-96;
Research work in History in Cambridge, England, and in the Public Record
Office, London, 1896-97; Teacher of History in Miss Irwin's School, Phila-
delphia, 1897-1900; Private Research work, 1897-1905; Reader in English,
Bryn Mawr College, 1900-02; Instructor in History, Mt. Holyoke College,
1902-03; Acting Professor of European History, 1903-04, and Professor of
History, 1904-10; in England on leave of absence, 1908-09.

NICHOLS, ELIZABETH, 1918 N. Penn Street, Indianapolis, Ind.
Fellow in Biology, 1893-94. A.B., Bryn Mawr College, 1893, group, Chemis-
try and Biology. Graduate Student, 1894-95; Teacher of Science in the
Girls' High School, Philadelphia, 1895-96; Secretary of the Indianapolis
Branch of the Needlework Guild of America, 1907-08.

Married, 1896, *Mr. Charles W. Moores.*

NORTHWAY, MARY ISABEL,
1657 Burnaby Street, Vancouver, B. C., Canada.

Fellow in Physics, 1900-01. A.B., University of Toronto, 1898. Ontario Nor-
mal College, 1898-99; Graduate Scholar in Physics, Bryn Mawr College,
1899-1900; Student of Domestic Science, 1901-02; Assistant in Physics
Department, Smith College, 1902-03.

Married, 1904, *The Rev. R. J. Wilson.*

NOWLIN, NADINE, See page 25.
Fellow in Biology, 1905-06.

O'GRADY, MARCELLA I., Würzburg, Bavaria.
Fellow in Biology, 1887-89. S.B., Massachusetts Institute of Technology,
1885. Teacher of Science in the Bryn Mawr School, Baltimore, Md.,
1885-87; Demonstrator in Biology, Bryn Mawr College, 1887-89; Associate
Professor of Biology, Vassar College, 1889-93, and Professor of Biology,
1893-97.

Married, 1897, *Professor Theodore Boveri.*

OLSEN, SOPHIE YHLEN, Kastelsvej 25, Copenhagen, Denmark.
Fellow in Teutonic Philology, 1899-1900. A.B., Bryn Mawr College, 1898,
group, Greek and Latin, and A.M., 1899. A.M., University of Copenhagen,
1902. Graduate Scholar in English and Teutonic Philology, Bryn Mawr
College, 1898-99; Student, Universities of Copenhagen and Leipsic, 1900-01;
University of Copenhagen, 1901-02; Teacher of English Literature in the
Zahle Institute for Teachers, Copenhagen, 1905-10; and Teacher of English
in the State College for Teachers, Copenhagen, 1908-10.

Married, 1902, *Dr. Henrik Bertelsen.*

- PARKER, EMMA HARRIET,Charlestown, N. H.
Fellow in Chemistry, 1893-94. S.B., Smith College, 1887. Graduate Student in Chemistry, Bryn Mawr College, 1892-93, and Graduate Scholar in Chemistry, 1894-95; Instructor in Chemistry, Wellesley College, 1895-97; Teacher of Science in the High School, New Bedford, Mass., 1897-1900; Teacher of Chemistry in the High School, Newton, Mass., 1900-09; Student of Chemistry, the Sorbonne and University of Berlin, 1909-10.
- PARRIS, MARION,See page 25.
Fellow in Economics and Politics, 1905-06.
- PASCHALL, ANNIE GOODE.
Fellow in Greek, 1894-95. A.B., Vanderbilt University, 1894.
Died, 1895.
- PEEBLES, FLORENCE,See page 19.
Fellow in Biology, 1896-97.
- PEEBLES, ROSE JEFFRIES, ...1217 South 13th Street, Birmingham, Ala.
Fellow in English, 1907-08. A.B., Mississippi State College for Women, 1891, University of Chicago, Summer, 1897, 1898, 1905; Harvard University, Summer, 1902; Columbia University, Summer, 1903; Graduate Student in English, Bryn Mawr College, 1906-07, and Graduate Scholar and Fellow by Courtesy in English, 1908-09; Special Research Scholar and Student, British Museum and Bodleian Library, Oxford, Summer, 1909; Instructor in English, Vassar College, 1909-10.
- PERKINS, ELIZABETH MARY,See page 25.
Fellow in Latin, 1902-03.
- PETTY, MARY,Greensboro, N. C.
Fellow in Chemistry, 1895-96. S.B., Wellesley College, 1885. Teacher of Latin, Guilford College, 1888-93; Teacher of Chemistry and Physics in the State Normal and Industrial College, Greensboro, 1893-95, and 1896-99, and Head of Department of Chemistry, 1899-1909; Member of Book Committee of Public Library, Greensboro, 1905-06.
- POTTS, LAURETTE EUSTIS,Pelham Manor, N. Y.
Fellow in English, 1899-1900. Mistress of Pembroke Hall East, Bryn Mawr College, 1895-96. A.B., Bryn Mawr College, 1897, group, Latin and English. Sorbonne and Collège de France, 1896-97; Graduate Student, Bryn Mawr College, 1897-98, Reader in English, 1897-99; Student, University of Munich, 1900-01; Chairman of Eurydice Chorus, Pelham Manor, 1908-09.
Married, 1905, *Mr. Lewis Frederic Pease*.
- PURDIE, ELEANOR,Ortler, Prestbury, Gloucestershire, England.
Fellow in Greek, 1895-96. Newnham College, University of Cambridge, England, 1890-94; Classical Tripos, Part I, First Class, 1893; Part II, 1894; Ph.D., University of Freiburg, 1897. Holder of the Marion Kennedy Studentship, and Student in Indo-European Philology, University of Freiburg, 1894-95; Classical Mistress in the Notting Hill High School, London, 1897-98; Head Classical Tutor, Cheltenham Ladies' College, Cheltenham, England, 1898-1909.
- RABOURN, SARA BREWER FRANCIS,Centralia, Mo.
Fellow in Mathematics, 1906-07. A.B., University of Missouri, 1902, and A.M., 1904. Scholar in Mathematics, University of Missouri, 1903-04; Assistant Principal and Teacher of Mathematics in the High School, Fredericktown, Mo., 1907-08, and Principal, 1908-09.
- RAGSDALE, VIRGINIA,See page 26.
Fellow in Mathematics, 1902-03.
- RANDOLPH, HARRIET,See page 11.
Fellow in Biology, 1889-90.

REED, BERTHA, McMillan Hall, Washington University, St. Louis, Mo. Fellow in Teutonic Philology, 1906-07. Illinois Woman's College, 1893-96. Ph.B., De Pauw University, 1898, and A.M., 1900. University of Berlin, Winter Semester, 1902-03, University of Zürich, 1903, 1903-04. Instructor in German, Bradley Polytechnic Institute, Peoria, Ill., 1907-09.

Married, 1909, *Mr. George Raleigh Coffman*.

REED, MARGARET ADALINE,Meyersdale, Pa.

Fellow in Biology, 1908-09. A.B., Woman's College of Baltimore, 1901. Graduate Student in Biology, Bryn Mawr College, 1901-03, and Graduate Scholar, 1902-03. Wood's Holl Laboratory, Summers of 1900 and 1902; Assistant in Zoological Laboratory, Columbia University, 1903-05; University of Zürich, Summer, 1906; Assistant in Zoology, Columbia University, 1903-06; Lecturer in Physiology, New York Medical College for Women, and Barnard College. 1904-07; Student in Berlin, Summer, 1908.

REIMER, MARIE,See page 26.

Fellow in Chemistry, 1899-1900, 1901-02.

REYNOLDS, GRACE POTTER,See page 20.

Fellow in Chemistry, 1908-09.

REYNOLDS, MINNIE BEATRICE, 244 Myrtle Avenue, San Francisco, Cal.

Fellow in Greek, 1897-98. A.B., University of California, 1895, and A.M., 1897. Instructor in Greek and Latin in the High School, Centerville, Cal., 1896-97; Fellow by Courtesy in Greek, Bryn Mawr College, 1898-99; Teacher of Latin in the Misses Shipley's School, Bryn Mawr, Pa., 1898-99; Instructor in Latin, Vassar College, 1899-1900; Instructor in Greek in the High School, Los Angeles, Cal., 1900-01; Teacher of Greek and Latin in the High School, San Francisco, 1901-03.

Married, 1903, *Mr. James A. Kinkead*.

RITCHIE, MARY HELEN,

Fellow in Latin, 1898-99. A.B., Bryn Mawr College, 1896, group, Greek and Latin. A.M., 1897, and Ph.D., 1902, subjects, Latin and Greek. Graduate Scholar in Greek and Latin, Bryn Mawr College, 1896-97, Graduate Student, 1897-98; Secretary of Bryn Mawr College, 1899-1904.

Died, 1905.

ROCK, AMY CORDOVA,1455 Belmont Street, Washington, D. C.

Fellow in Chemistry, 1894-95. A.B., Bryn Mawr College, 1893, group, Physics and Chemistry. Assistant in Chemical Laboratory and Graduate Student. Bryn Mawr College, 1893-94; Student, University of Heidelberg, 1895-96, and University of Berlin, 1896-97; Chairman of Committee on Home Economics in the Washington Branch of the Association of Collegiate Alumnae, 1906-08; Corresponding Secretary of the Washington Committee of the League for Social Service, 1907-08.

Married, 1899, *Mr. Frederick Leslie Ransome*.

SALMON, LUCY MAYNARD,263 Mill Street, Poughkeepsie, N. Y.

Fellow in History, 1886-87. A.B., University of Michigan, 1876, and A.M., 1883. Teacher of History in the Indiana State Normal School, 1883-86; Associate Professor of History, Vassar College, 1887-89, and Professor of History, 1889-1910.

SANDISON, HELEN ESTABROOK,See page 15.

Fellow in English, 1908-09.

SATTERTHWAITE, SARAH E.,2037 Franklin Avenue, Toledo, O.

Fellow in Greek, 1886-87. A.B., University of Michigan, 1886. Assistant in Greek and Latin, Hope College, Holland, Mich., 1887-88; Private Tutor in Greek and Latin, 1898-1900.

Married, 1890, *Dr. Francis Alexander Leslie*.

SCHAEFFER, HELEN ELIZABETH,See page 26.

Fellow in Physics, 1904-05.

DE SCHWEINITZ, AGNES,

11 Cummings Apartments, First and D Streets, Salt Lake City, Utah.

Fellow in Teutonic Philology, 1902-03. A.B., Bryn Mawr College, 1899, group, German and French, and A.M., 1900. Graduate Scholar in German and Teutonic Philology, Bryn Mawr College, 1899-1900; Teacher of German in the Portland School, Portland, Ore., 1900-01; University of Leipzig, 1901-02; Teacher of German in the Bryn Mawr School, Baltimore, Md., 1903-08.

Married, 1908, *Mr. Edward Robins Zakinski.*

SEWALL, HANNAH ROBIE,Forest Glen, Md.

Fellow in History, 1888-89. A.B., University of Minnesota, 1884, and Ph.D., 1898; A.M., University of Michigan, 1887. Fellow by Courtesy in History, Bryn Mawr College, 1889-90; Assistant in Political Science, University of Minnesota, 1893-1901; Assistant, Boston Children's Aid Society, 1904-07.

SHAPIRO, REBECCA,Marshfield, Wis.

Fellow in Romance Languages, 1900-01. L.B., University of Wisconsin, 1898, and L.M., 1900. Graduate Student, University of Wisconsin, 1899-1900; Assistant Principal of the High School, Grand Rapids, Wis., 1902-03.

Married, 1904, *Mr. Richard Strauss.*

SHEARER, EDNA ASTON,See page 26.

Junior Fellow in Philosophy, 1904-05; Fellow in Philosophy, 1906-07.

SHEAVYN, PHOEBE A. B., The Oaks, Fallowfield, Manchester, England.

Fellow in English, 1895-96. Scholar, University College of Wales, Aberystwyth, Wales, 1887-89, and 1892-94; B.A., University of London, 1889; M.A., 1894, and D.Litt., 1906. Reader in English, Bryn Mawr College, 1894-95; Lecturer and Tutor in English Literature to the Association for Promoting the Education of Women in Oxford, England, 1896-1905; Resident Tutor and Lecturer in English, Somerville College, University of Oxford, England, 1897-1905; Member of Governing Committee of Women's University Settlement, Southwark, London, 1900-07; Member of Governing Court of University of Wales; Member of Council of University College of Wales; Tutor for Women Students, University of Manchester, Warden of Women's Hall of Residence, and Special Lecturer in English Literature, 1907-10; President of Manchester Branch of Federation of University Women, 1908-09.

SHUTE, HELEN WINIFRED,25 Fourth Street, Bangor, Me.

Fellow in Teutonic Philology, 1893-94. A.B., Smith College, 1887. Assistant in German, Smith College, 1887-93; Fellow by Courtesy in Teutonic Philology, Bryn Mawr College, 1894-95; Student in Teutonic Philology, University of Göttingen, 1895-99; Alumnae Trustee of Smith College, 1902-05.

Married, 1900, *Mr. Warren J. Moulton.*

SINCLAIR, ALICE,Wailuku, Maui, H. I.

Fellow in Teutonic Philology, 1903-04. Ph.B., Oberlin College, 1899. Teacher of German and Science in the Kent Place School, Summit, N. J., 1900-02; Student, University of Marburg, 1902-03; Teacher of German and English, Brockport State Normal School, Brockport, N. Y., 1904-05, and of French and German, 1905-06.

Married, 1906, *Mr. Rowland Bacchus Dodge.*

SMITH, AMELIA CATHERINE,4003 Powelton Avenue, Philadelphia.

Fellow in Biology, 1900-01. S.B., University of Pennsylvania, 1899. Graduate Scholar in Biology, Bryn Mawr College, 1899-1900; Demonstrator in Zoology, University of Pennsylvania, 1901-02; Graduate Student, University of Pennsylvania, 1904-06.

Married, 1901, *Mr. Philip Powell Calvert.*

SMITH, EVA MARIA,56 Gowan Avenue, Fulham, London, England.

Fellow in Mathematics, 1908-09. Newnham College, University of Cambridge, 1904-08. Cambridge Mathematical Tripos, First Class, Part I, 1907, and Part II, 1908.

SMITH, MINNA STEELE,Newnham College, Cambridge, England.

Fellow in Teutonic Philology, 1894-96. Newnham College, University of Cambridge, 1890-94; Mediæval and Modern Languages Tripos, First Class, 1893. Assistant Lecturer in English, Newnham College, 1896-98; Staff Lecturer in Mediæval and Modern Languages, Newnham College, 1898-1903, and Head Lecturer in Mediæval and Modern Languages, 1905-10; Lecturer in English, Girton College, University of Cambridge, 1898-1903, and 1906-10.

SOUTHWORTH, EFFIE A.,420 East 4th Street, Tucson, Ariz.

Fellow in Biology, 1885-86. S.B., University of Michigan, 1885. Student Assistant in the Biological Laboratory, Bryn Mawr College, 1886-87; Assistant Mycologist of the United States Agricultural Bureau, Washington, D. C., 1887-92; Assistant in Botany, Barnard College, 1892-95.

Married, 1896, *Mr. Volney Morgan Spalding*.

STEVENS, NETTIE MARIA,See page 27.

Fellow in Biology, 1902-03.

STEWART, ANNE AMELIA, ...28 South Street, Halifax, N. S., Canada.

Fellow in Mathematics, 1886-87. University College, London, 1880-82; B.Sc., Dalhousie College, 1886. Teacher of Mathematics in Miss Mary E. Stevens's School, Germantown, Philadelphia, 1888-93, 1895-96; Student in Mathematics and Physics, Newnham College, University of Cambridge, England, 1893-95; Teacher of Mathematics in the Stevens School, Germantown, 1896-99; Private Tutor, 1900-03, 1908-09; Teacher of Mathematics, St. Margaret's College, Toronto, Canada, 1903-04; Teacher of Mathematics, Miss Knox's School, Briarcliff Manor, N. Y., 1905-06; Private Tutor, 1909-10.

STREET, JENNETTE ATWATER, ..47 Lakeview Avenue, Cambridge, Mass.

Fellow in Latin, 1895-96. A.B., University of Toronto, 1895. Teacher of Classics, St. Margaret's College, Toronto, Canada, 1897-1901.

Married, 1901, *Professor Edward C. Jeffrey*.

SWEET, MARGUERITE,250 West 72nd Street, New York City.

Fellow in English, 1891-92. A.B., Vassar College, 1887; Ph.D., Bryn Mawr College, 1892, subjects, English and Teutonic Philology. Graduate Student in Teutonic Philology and English, Bryn Mawr College, 1889-90. Graduate Scholar in Teutonic Philology, 1890-91; Instructor in English, Vassar College, 1892-97; Professor of English Literature, Mt. Holyoke College, 1897-99; Teacher of English in the Misses Ely's School, New York City, 1899-1905; Academic Head of the Hawthorne School, New York City, 1906-10.

SWINDLER, MARY HAMILTON,See page 15.

Fellow in Greek, 1907-09.

TAYLOR, LILY ROSS,1532 University Avenue, Madison, Wis.

A.B., University of Wisconsin, 1906. Graduate Scholar in Latin, Bryn Mawr College, 1906-07; Fellow in Latin, 1907-08; Reader in Latin, and Graduate Student in Greek and Latin, 1908-09; Student, University of Bonn, Summer, 1909, and American School of Classical Studies, Rome, 1909-10.

THOMPSON, CHARLOTTE DE MACKLOT,The Terraces, Camden, S. C.

Fellow in Romance Languages, 1896-97. A.B., Bryn Mawr College, 1896, group, Greek and French, and A.M., 1897.

TIBBALS, KATE WATKINS,Vassar College, Poughkeepsie, N. Y.

Fellow in English, 1901-02. A.B., Wellesley College, 1899; Ph.D., University of Pennsylvania, 1904. Graduate Scholar in English, Bryn Mawr College, 1900-01; Fellow in English, University of Pennsylvania, 1902-03, and University Fellow, 1903-04; Instructor in English, Wellesley College, 1904-05; Instructor in English Literature, Vassar College, 1905-10.

TORELLE, ELLEN,1017 14th Avenue, S. E. Minneapolis, Minn.

Fellow in Biology, 1903-04. Ph.B., University of Minnesota, 1901, and A.M., 1902. Graduate Scholar, Bryn Mawr College, 1902-03; Dean of Milwaukee-Downer College and Professor of Biology, 1905-08; Scholar of the Naples Table Association for Promoting Scientific Research by Women, 1909-10.

TOWLE, ELIZABETH WILLIAMS, . . . The Baldwin School, Bryn Mawr, Pa.

Fellow in Biology, 1899-1900. A.B., Bryn Mawr College, 1898, group, Chemistry and Biology, and A.M., 1899. Graduate Scholar in Physics and Biology, Bryn Mawr College, 1898-99; Teacher of Science in the High School, Middletown, Conn., 1900-01; Instructor in Biology, Rockford College, Rockford, Ill., 1901-03; Fellow in Physiology, University of Chicago, 1903-04; Graduate Student, Columbia University, 1904-06; Teacher of Physiology in Miss Jacobi's School, New York City, 1904-05; Teacher of Science in the Baldwin School, Bryn Mawr, Pa., 1907-10.

TRAVER, HOPE, See page 27.

Fellow in English, 1903-04.

URDAHL, MARGERETHE, Charleston, Ill.

Fellow in Teutonic Philology, 1900-02, and Special Fellow in Teutonic Philology, 1902-03. L.B., University of Wisconsin, 1896, and Ph.D., Bryn Mawr College, 1904, subjects, Teutonic Philology, German Literature and Sanscrit. Student, University of Berlin, 1898 and 1899; University of Heidelberg Summer Term, 1899; University of Christiania, October, 1899; Teacher of German and Latin in the Chelton Hills School, Wyncote, Pa., 1903-04; Teacher of German and History, Eastern Illinois State Normal School, Charleston, Ill., 1905-06.

Married, 1906, *Mr. Lewis Albert Anderson.*

VANDEMAN, ESTHER BOISE, 2514 13th Street, Washington, D. C.

Fellow in Latin, 1892-93. A.B., University of Michigan, 1891, and A.M., 1892; Ph.D., University of Chicago, 1898. Instructor in Latin, Wellesley College, 1893-95; Teacher of Latin in the Bryn Mawr School, Baltimore, Md., 1895-96; Fellow in Latin, University of Chicago, 1896-98; Acting Professor of Latin, Mt. Holyoke College, 1898-99, and Associate Professor of Latin, 1899-1901; American School of Classical Studies, Rome, 1901-03; Associate Professor of Latin, the Woman's College, Baltimore, 1903-06; Fellow in Classical Archaeology of the Carnegie Institution, Rome, 1906-08, and Research Associate, 1908-10.

WADDELL, MARY EVELYN GERTRUDE, Orono, Ontario, Canada.

Fellow in Mathematics, 1904-05. A.B., University of Toronto, 1903, and A.M., 1904. Graduate Scholar in Mathematics and Physics, Bryn Mawr College, 1903-04; Instructor in Mathematics in St. Margaret's College, Toronto, and Graduate Student and Tutor, University of Toronto, 1906-10.

WALKER, ANNA MARTHA, 2218 Elsinore Avenue, Los Angeles, Cal.

Fellow in Latin, 1905-06. A.B., Bryn Mawr College, 1895, group, Greek and Latin; A.M., Leland Stanford, Jr., University, 1901. Teacher of English in the National Institute for Girls, Guatemala City, Central America, 1896-97; Graduate Student, Leland Stanford Jr., University, 1897-98, 1900-01; Graduate Student, Bryn Mawr College, Second Semester, 1898-99; Teacher in the Misses Wyllie's School, Mt. Holly, N. J., 1899-1900; Teacher of Latin and French in the High School, Ogden, Utah, 1901-02, and Teacher of Latin and Spanish, 1902-04; Student, American School of Classical Studies, Rome, 1904-05; Teacher of Greek in the High School, Los Angeles, Cal., 1906-10.

WARREN, WINIFRED, See page 27.

Fellow in Latin, 1893-94.

WERGELAND, AGNES MATHILDE, Laramie, Wyo.

Fellow in History, 1890-91. Studied under the direction of Prof. Konrad Maurer, Munich, 1884-86; University of Zürich, 1888-90; Ph.D., University of Zürich, 1890. Reader in History of Art, Bryn Mawr College, 1891-93; Docent in History, University of Chicago, 1896-1902, and Non-Resident Reader in History, University Extension Division, 1903-05, and Non-Resident Instructor, 1906-09; Professor of History and French and Spanish, University of Wyoming, 1902-10.

WHITE, FLORENCE DONNELL, Vassar College, Poughkeepsie, N. Y.

Fellow in French, 1907-08. A.B., Mt. Holyoke College, 1903, and A.M., 1907, Student, University of Paris, 1903-04; Graduate Scholar in Romance Languages, Bryn Mawr College, 1906-07; Instructor in French, Vassar College, 1908-10.

WILKINSON, ANNIE LYNDESAY,

623 Westview Street, Germantown, Philadelphia.

Fellow in Mathematics, 1899-1900. A.B., Vassar College, 1897, and A.M., 1898. Graduate Scholar, Vassar College, 1897-98. Babbott Fellow of Vassar College, and Graduate Scholar in German and Mathematics, Bryn Mawr College, 1898-99; Instructor in Mathematics, Vassar College, 1900-02.

Married, 1902, *Dr. Joseph Head*.

WILLIAMS, ELLA C.,326 West 58th Street, New York City.

Fellow in Mathematics, 1885-86. A.M., University of Michigan, 1880. Studied under Professor Schwarz, Göttingen, Germany, 1883-85; Newnham College, University of Cambridge, England, Spring Term, 1884; Teacher of Mathematics in Miss Moses's School, New York City, 1886-87; Teacher of Mathematics in the State Normal School, Plymouth, N. H., 1887-89; Teacher of Mathematics in Miss Spence's School, New York City, 1892-1910.

WILLIS, GWENDOLEN BROWN,941 Lake Avenue, Racine, Wis.

Fellow in Greek, 1902-04. A.B., University of Chicago, 1896, Ph.D., Bryn Mawr College, 1906, subjects, Greek and Archæology. Graduate Student, University of Chicago, 1900-01; American School of Classical Studies, Athens, 1901-02; Teacher of Greek and Latin, Milwaukee-Downer College, 1904-10.

WINSTON, MARY FRANCES, 1702 Massachusetts Street, Lawrence, Kan.

Fellow in Mathematics, 1891-92. A.B., University of Wisconsin, 1889; Ph.D., University of Göttingen, 1897; Teacher of Mathematics, Downer College, 1889-91; Honorary Fellow in Mathematics, University of Chicago, 1892-93; Holder of the European Fellowship of the Association of Collegiate Alumnae, 1895-96; Student in Mathematics, University of Göttingen, 1893-96; Professor of Mathematics, Kansas State Agricultural College, 1897-1900.

Married, 1900, *Mr. Henry Byron Newson*.

WOOD, IDA,2038 Spring Garden Street, Philadelphia.

Fellow in English, 1888-89. A.B., Vassar College, 1877, and A.M., 1889; Ph.D., Bryn Mawr College, 1891. Graduate Student in English, Bryn Mawr College, 1887-88, 1889-90, and Fellow by Courtesy in English, 1890-91; Secretary of the Woman's Department, University of Pennsylvania, 1892-93; Secretary of the Bryn Mawr School, Baltimore, Md., 1894-96.

SUMMARY OF FELLOWSHIPS AWARDED.

EUROPEAN FELLOWSHIPS.	Founded.	Held by
Bryn Mawr European.....	By the Trustees in 1885..	20 students
Mary E. Garrett European..	By Miss Garrett in 1894..	15 students
President M. Carey Thomas		
European	By Miss Garrett in 1896..	13 students
Bryn Mawr Research.....	By Anonymous Donor, 1906.	1 student
Special Ottendorfer Memo- rial Research Fellowship		
in Teutonic Philology ..	By Mrs. Anna Woeris- hoeffer in 1907	1 student
Total number of European Fellows		50
RESIDENT FELLOWSHIPS.	Founded by the Trustees in	Held by
In Greek	1885.....	21 students
In Latin	1892.....	16 students
In English	1885.....	*20 students
In Teutonic Philology	1893.....	9 students
In Romance Languages	1893.....	12 students
In History and Economics and Politics	1885.....	23 students
In Philosophy	1896.....	7 students
In Mathematics	1885.....	20 students
In Physics	1896.....	9 students
In Chemistry	1893.....	14 students
In Biology	1885.....	18 students
Research Fellowship in Chemistry ...	1907.....	†1 student
Total number of Resident Fellows, omitting duplicates.....		167
Total		‡217

*Two students have held Fellowships in English who also held Fellowships in other subjects.

†This student previously held a Fellowship in Chemistry.

‡Of these twenty-five have held both European and Resident Fellowships.

BRYN MAWR COLLEGE.

GRADUATE COURSES OF INSTRUCTION.

BRYN MAWR COLLEGE, situated at Bryn Mawr, Pennsylvania, five miles from Philadelphia, was endowed by Dr. Joseph W. Taylor, of Burlington, New Jersey, who purposed founding an institution of learning for the advanced education of women which should afford them "all the advantages of a college education that are so freely offered to young men." In the spring of 1885 the first program was issued, and the college opened for instruction in the following autumn.

Three classes of persons are admitted to the lectures and class work of the college—graduate students, undergraduate students, and hearers. For the convenience of graduate students the regulations of the graduate department and the graduate courses of instruction are published separately. No undergraduates are admitted to graduate courses.

Regulations of the Graduate Department.

From the first it has been the policy of the Trustees of Bryn Mawr College to organise no department in which they could not provide for graduate as well as undergraduate study. Only such instructors have been chosen as are qualified to direct both graduate and undergraduate work. In each department a consecutive series of graduate courses pursued throughout three years provides preparation in the chief or major subject of the examination for the degree of Doctor of Philosophy, and certain courses may be pursued for one or two years and offered as one of the two minor or secondary subjects.

Admission.

Graduate students must have presented a diploma from some college of acknowledged standing.* They may pursue any

* The certificates of the women's colleges of the English universities of Oxford and Cambridge, are regarded as equivalent to a first degree,—i. e. to the degree of Bachelor of Arts.

courses offered by the college for which their previous training has fitted them; but they must satisfy the several instructors of their ability to profit by the courses they desire to follow, and may be required to pursue certain introductory or auxiliary studies before they are admitted to the advanced or purely graduate courses. They are, moreover, entitled to personal guidance and direction, supervision of their general reading and furtherance of their investigations, from the instructors, and their needs will be considered in the arrangement of new courses of lectures; they must consult the President in regard to the courses they are to pursue, and must be duly registered for those courses at the President's office.

A reading knowledge of French and German is regarded as of the utmost importance to all graduate students, and is required of all candidates for a second degree. The undergraduate department will afford the student every opportunity for making good any deficiencies in this respect.

Fellowships and Scholarships.

The most distinguished place among the graduate students is held by the Fellows, who must reside in the college during the academic year. Twelve resident fellowships, of the value of five hundred and twenty-five dollars each, are awarded annually in Greek, Latin, English, German and Teutonic Philology, Romance Languages, History or Economics and Politics, Philosophy, Archæology, Mathematics, Physics, Chemistry, and Biology. They are open for competition to graduates of Bryn Mawr College, or of any other college of good standing, and will be awarded only to candidates who have completed at least one year of graduate work after obtaining their first degree. The fellowships are intended as an honor, and are awarded in recognition of previous attainments; generally speaking, they will be awarded to the candidates that have studied longest or to those whose work gives most promise of future success.

The holder of a fellowship is expected to devote at least one half her time to the department in which the fellowship is awarded, and to show, by the presentation of a thesis or in some other manner, that her studies have not been without result.

All fellows may study for the degree of Doctor of Philosophy, the fellowship being counted, for this purpose, as equivalent to the degree of Bachelor of Arts. Fellows that continue their studies at the college after the expiration of the fellowship, may, by a vote of the directors, receive the rank of Fellows by Courtesy.

A Research Fellowship in Chemistry has been founded and was awarded for the first time in 1907. It is open to graduate students who have received the degree of Doctor of Philosophy or who have completed equivalent work. The fellowship is of the value of seven hundred and fifty dollars, and the holder is required to reside at Bryn Mawr College for one year and to assist the head of the Department of Chemistry in research work.

Fellows are expected to attend all college functions, to wear academic dress, to assist in the conduct of examinations, and to give about an hour a week to the care of special libraries in the halls of residence and in the seminaries, but no such service may be required of them except by a written request from the president's office; they are not permitted, while holding the fellowship, to teach, or to undertake any other duties in addition to their college work. Fellows are required to reside in the college and are assigned rooms by the Secretary of the College. They are charged the usual fee of four hundred and five dollars for tuition, board, room rent, and infirmary fee.

Eighteen Graduate Scholarships, of the value of two hundred dollars each, may be awarded to candidates next in merit to the successful candidates for the fellowships; they are also open for competition to graduates of Bryn Mawr College, or of any other college of good standing. Scholars are expected to reside in the college, to attend all college functions, to wear academic dress and to assist in the conduct of examinations.

Ten Graduate Scholarships, of the value of four hundred and five dollars each, were founded in 1909 and are open, five to English, Scotch, or Irish women, and five to German women, whose academic work has reached a standard equivalent to that denoted by the Bachelor's degree of any American college or university of acknowledged standing. The amount of the scholarship, four hundred and five dollars, covers the fees for tuition, board, residence, and infirmary fee for the academic year. A furnished single room is

assigned to each scholar, but this is not available in the Christmas and Easter vacations when scholars who remain at the College will have to pay the expenses of board and residence at approximately the same rate as is charged for graduate students during the academic year.

Application for resident fellowships or scholarships should be made as early as possible to the President of the College, and must be made not later than the fifteenth* of April preceding the academic year for which the fellowship or scholarship is desired. Blank forms of application will be forwarded to the applicants. A definite answer will be given within two weeks from the latest date set for receiving applications. Any original papers, printed or in manuscript, which have been prepared by the applicant and sent in support of her application, will be returned, when stamps for that purpose are enclosed, or specific directions for return by express are given. Letters or testimonials from professors and instructors will be filed for reference.

The Anna Ottendorfer Memorial Research Fellowship in German and Teutonic Philology of the value of seven hundred dollars applicable to the expenses of one year's study and residence at some German university is awarded annually to a graduate student who has completed at least one year of graduate study at Bryn Mawr College. The fellowship will be awarded to the candidate who has pursued the most advanced work, or whose studies afford the most promise of future success. She must show such proficiency in her studies or in independent work as to furnish reason to believe that she will be able to conduct independent investigations in the field of Teutonic Philology or German.

Two European fellowships, founded by Miss Garrett, of Baltimore, are open to graduate students who are enrolled as candidates for the degree of Doctor of Philosophy. One, founded in 1896, and named by the donor the President M. Carey Thomas

* In the case of candidates for the Scholarships open to British and German women applications must be received by April the first. Applications for the scholarships should be accompanied by full particulars of the candidate's academic work, by diplomas or certificates and by letters of recommendation from professors and should be addressed in the case of British candidates to the President of Bryn Mawr College, Bryn Mawr, Pennsylvania, U. S. A., and in the case of German candidates to *Seiner Excellenz dem Herrn Staatssekretär des Innern, Reichsamt des Innern, Berlin, Germany.*

Fellowship, is awarded annually on the ground of excellence in scholarship to a student in her first year of graduate work at Bryn Mawr College; the other, founded in 1894, and known as the Mary E. Garrett Fellowship, is awarded annually on the ground of excellence in scholarship to a student still in residence who has for two years pursued graduate studies at Bryn Mawr College. These fellowships, of the value of five hundred dollars each, are intended to defray the expenses of one year's study and residence at some foreign university, English or Continental. The choice of a university may be determined by the holder's own preference, subject to the approval of the Faculty.

Studies Leading to a Second Degree.

Graduates of Bryn Mawr College, and graduates of other colleges, who shall have satisfied the Academic Council that the course of study for which they received a degree is equivalent to that for which the degree of Bachelor of Arts is given at Bryn Mawr College, or who shall have attended such additional courses of lectures as may be prescribed, may apply to the Academic Council to be enrolled as candidates for the degree of Doctor of Philosophy and Master of Arts; admission to the graduate school does not, in itself, qualify a student to become a candidate for this degree. A separate degree of Master of Arts is open to graduates of Bryn Mawr College, but to them only.

The Degree of Master of Arts.

The candidate for the degree of Master of Arts must be a Bachelor of Arts of Bryn Mawr College and must have studied for one full year in the graduate school of Bryn Mawr College, devoting herself to systematic advanced work approved by the Graduate Committee of the Academic Council. The candidate must submit her proposed course of study for the approval of this committee on or before the second Wednesday in November. She must pass a special written examination on each subject to the satisfaction of the department in which she has studied, and must announce her candidacy to the President not later than the first day of May in the academic year in which the degree is to be conferred.

The Degree of Doctor of Philosophy and Master of Arts.

The degree of Doctor of Philosophy and Master of Arts may be conferred upon graduates of Bryn Mawr College, and upon graduates of other colleges who shall have satisfied the Academic Council either that the course of study for which they received a degree is equivalent to that for which the degree of Bachelor of Arts is given by Bryn Mawr College, or that it has been adequately supplemented by subsequent study.

The candidate must have pursued for at least three years, after having received the first degree, a course of liberal (non-professional) study at some college or university approved by the Academic Council, and must have spent at least two of these years at Bryn Mawr College. The course of study leading to the degree of Doctor of Philosophy and Master of Arts must consist of one principal, or major, subject and one or two subordinate, or minor, subjects and must be divided between at least two departments. Two-thirds of the candidate's time should be spent on the major subject and the remaining one-third on the minor subject or subjects, and the suggested combination of major and minor subjects for the final examination must have been submitted for approval to the Graduate Committee. The candidate may be required to pursue certain auxiliary studies in connection with the subject that she has elected; and the degree of Doctor of Philosophy is given to no one who cannot read French and German, or who is unacquainted with Latin. The candidate must have written, on some subject connected with her major subject of study, a dissertation approved by the Faculty that bears satisfactory evidence of original research and must pass written examinations and an oral examination in the presence of the members of the Faculty on both major and minor subjects. These examinations are held after the dissertation has been accepted by the department in which it is offered and must be taken within the academic year in which the candidate applies for the degree. The degree is not conferred until the candidate has satisfied the above requirements and deposited one hundred and fifty printed copies of her dissertation, bound according to a prescribed model, in the office of the Secretary of the College. The degree of Doctor of Philosophy will in no case be conferred by the college as an honorary degree.

Expenses.

For graduate students attending six or more hours a week of lectures, and for fellows and graduate scholars the tuition fee is one hundred and twenty-five dollars a year, payable half-yearly in advance. For other graduate students who do not wish to devote all their time to graduate work the fees are as follows, payable in advance: for one hour a week of lectures, ten dollars a semester; for two hours a week of lectures, twenty dollars a semester; for three hours a week of lectures, thirty dollars a semester; and for four or five hours a week of lectures, forty dollars a semester.* This arrangement is made especially for non-resident graduate students, but those who wish to take five hours a week of lectures or less may live in the college halls on the understanding that they must give up their rooms if needed for students who are taking the full amount of graduate work and paying the regular tuition fee. The tuition fee for the semester becomes due as soon as the student is registered in the college office. No reduction of this fee can be made on account of absence or for any other reason whatsoever. Graduate students are admitted to residence or to attendance on lectures at any time during the year, and in this case a proportionate reduction is made in the charges for board and room-rent and for tuition. Every student who enters the college must register immediately at the comptroller's office, and must register her courses at the president's office within two weeks after entrance under penalty of exclusion from the college. Any change made later in the courses registered must be reported immediately to the president's office, or the courses will not be permitted to count, and a charge of one dollar will be made for each change made in the course after it has been definitely registered.

* The fees charged are reckoned on the basis of the actual hours of conference or lecture, irrespective of the number of undergraduate hours to which the course is regarded as equivalent.

In counting the number of hours for which a graduate student is registered the following special arrangements are made in regard to laboratory courses: payment for a one hour lecture course in a scientific department entitles the student to four hours of laboratory work in addition with no extra charge except the laboratory fee. Students registered for laboratory work only, are charged the following tuition fee: for each two and one-half hours of undergraduate laboratory course and for each five hours of graduate laboratory course the same fee as for a one hour lecture course. The laboratory fees as stated on page 54 are charged in addition to the charge for tuition.

Graduate students taking courses in scientific departments (Physics, Chemistry, Geology, Biology, and Psychology) amounting to six or more hours a week of lecture courses or its equivalent in laboratory courses are charged a laboratory fee of eighteen dollars a semester, with the following exceptions: if the student takes, as a regular student, courses in subjects not enumerated above amounting to six hours a week the laboratory fee is reduced to twelve dollars a semester; and if she takes, as a regular student, courses in subjects not enumerated above amounting to ten hours a week the laboratory fee is reduced to six dollars a semester.

Graduate students taking less than six hours a week of lectures, or its equivalent in laboratory work, are charged a laboratory fee of ten dollars a semester for every laboratory course of four or more hours a week, and of five dollars a semester for every laboratory course of less than four hours a week.

In courses in geology each hour of field work counts as one hour of laboratory work.

Residence.

Residence in the college buildings is optional except for holders of resident fellowships and scholarships. In each hall of residence, except Merion Hall, a special wing or corridor is reserved for graduate students, and in order to secure entire quiet no undergraduate students are permitted to engage rooms in the graduate wings. The expense of board and residence in the graduate wings of the college halls is two hundred and seventy-five dollars. Of this amount two hundred dollars is the charge for board, and is payable half-yearly in advance; the remainder is room-rent, and is payable yearly in advance. Every student has a separate bedroom. Room-rent includes all expenses of furnishing, service, heating, and light.

Plans and descriptions of the academic buildings and of the halls of residence, Merion Hall, Radnor Hall, Denbigh Hall, Pembroke Hall West, Pembroke Hall East, and Rockefeller Hall, with a full account of the halls and tariff of rooms, are published as Part 4 of the Bryn Mawr College Calendar and may be obtained by application to the Secretary of the College. Each of the halls of residence (except Pembroke, which has a common dining-hall and kitchen for the two wings) has its separate kitchen and dining-hall, provides accommodation for from sixty to seventy students, and is under the charge of a resident warden.

Application for rooms should be made as early as possible. The demand for graduate rooms is very great, and since every room unnecessarily reserved may prevent some other student from entering the college, a deposit of fifteen dollars is required in order that the application may be registered. In case the applicant enters the college in the year for which the room is reserved, the amount of the deposit is deducted from the first

college bill. If she changes the date of her application or files formal notice of withdrawal at the secretary's office before July fifteenth of the year for which the application is made, the deposit will be refunded. If, for any reason whatever, the change or withdrawal be made later than July fifteenth, the amount will be forfeited. Students making application for a room in February forfeit the deposit if they do not file formal notice of withdrawal at the secretary's office before December first of the academic year for which the room is reserved. In order to make application for a room it is necessary to sign a room-contract, which will be sent on application, and return it with the fee of fifteen dollars to the Secretary of the College. A deposit of fifteen dollars must also be made by each student in residence in order to insure the tenure of her room for the following academic year. This sum will be forfeited if formal notice of withdrawal is not filed at the secretary's office on or before May first of the current year.

Every applicant giving up later than the first of September the room or suite of rooms assigned to her for the ensuing academic year is responsible for the rent thereof for the whole year. Every applicant for a room in February will be responsible for the rent of the room or suite of rooms assigned to her for one semester, unless she gives formal notice of withdrawal to the Secretary before the first of January. The charges for room rent are not subject to remission or deduction under any circumstances, being considered forfeit in case of withdrawal for any cause whatever. The applicant is not entitled to relet the rooms thus left vacant, but this right the college reserves to itself. No refund will be made to the applicant in case the room or suite of rooms thus left vacant are relet by the college. Any student who changes her room is required to pay an extra fee of fifteen dollars.

Students are expected to provide their own rugs and towels, but in every other respect the rooms are completely furnished. Electric reading lamps, table napkins, sheets, etc., are provided by the college. No part whatever need be taken by the students in the care of their own rooms.

There are open fire-places in nearly all the studies and in many single rooms, but the rooms are sufficiently heated by steam. The air in each room is changed every ten minutes, and the temperature is regulated by a thermostat in each room. The students' personal washing may be done by any laundry recommended by the college for 50 cents a dozen, or about \$8 a half-year for one dozen pieces a week.

No charge is made for sending meals to students that are in the infirmary by the order of a physician.

Accommodation is provided for graduate students that wish to remain at the college during the Christmas and Easter vacations at \$1.25 a day or \$8.75 a week.

The health of the students is under the charge of a Health Committee consisting of the President, the Dean of the College, the Director of Athletics, the Senior Warden, and the physicians of the College.

The Visiting Physician of the College is in her office in the college during the hours from four to six of every afternoon, except Sunday, and may be consulted by the students without charge.

Every student entering the college will be vaccinated unless she can furnish satisfactory proof that she has been successfully vaccinated not more than two years previously.

The conduct of the students in all matters not purely academic, or affecting the management of the halls of residence, or the student body as a whole, is in the hands of the Students' Association for Self-Government, which was organised in 1892. All persons studying in Bryn Mawr College, whether graduates or undergraduates, are members of this association.

The college reserves the right to exclude at any time students whose conduct or academic standing renders them undesirable members of the college community, and in such cases the fees due to the college are not refunded or remitted.

In 1893 the Bryn Mawr Graduate Club was organised by the graduate students then in residence, its object being to further the social life of the graduate students and to facilitate interchange of opinion with other colleges and universities doing graduate work. A room in Denbigh Hall is set apart by the college to be used by the members as a club-room. Informal meetings are frequently held in these rooms, and several times during the year the club invites the Faculty and friends of the college to larger social gatherings, which are addressed by well-known speakers.

Summary of Expenses of Graduate Students.

Tuition for the semester, payable on registration:

For one hour* a week of lectures.....	\$ 10.00
For two hours a week of lectures.....	\$ 20.00
For three hours a week of lectures.....	\$ 30.00
For four or five hours a week of lectures.....	\$ 40.00
For six or more hours a week of lectures.....	\$ 62.50
Room-rent for the academic year, payable on registration.....	\$ 75.00
Board for the semester payable on registration.....	\$100.00

* See footnote page 53.

Students whose fees are not paid within one month of the date fixed are not permitted to continue in residence or in attendance on their classes.

Total expenses for the academic year:

Tuition fee, for six or more hours a week of lectures.....	\$125.00
Room-rent.....	\$ 75.00
Board.....	\$200.00
Infirmary fee.....	\$ 5.00

Total for tuition, residence, and infirmary care for the academic year.....\$405.00
Laboratory fees for the academic year.....\$10 to \$36

THE STUDENTS' LOAN FUND OF BRYN MAWR COLLEGE was founded by the Class of 1890 for the purpose of receiving contributions, however small, from those who are interested in aiding students to obtain an education. The money thus contributed is distributed in the form of partial aid, and as a loan. It is as a rule applied to the assistance of those students only who have attended courses in the college for at least one year. The Fund is managed by a committee consisting of the President of the College and representatives of the Alumnæ Association of Bryn Mawr College. The committee reports yearly to the Board of Trustees and to the Alumnæ Association. The committee consists of the following members: President M. Carey Thomas; Miss Martha G. Thomas, Secretary and Treasurer, Bryn Mawr College; Miss Mary Taylor Mason, School House Lane, Germantown, Philadelphia; Mrs. George Edward Pfahler, Merion, Pa.; Mrs. Bernard Todd Converse, Ardmore, Pa., and Miss Anne Hampton Todd, 2115 Spruce Street, Philadelphia. Contributions may be sent to any member of the committee. Applications for loans should be sent to the Treasurer of the committee, and all applications for loans for any given year should be made before May 1st of the preceding academic year.

Libraries.

The fact that the college is situated in the suburbs of Philadelphia enables the student to make use of all the resources of the libraries of Philadelphia, as well as of those of the college proper.

The college library has been collected within the past twenty-four years, and is designed to be, as far as possible, a library for special study. There are at present on its shelves about sixty thousand bound volumes, and ten thousand doctors' dissertations and pamphlets, the collection including the classical library of the late Professor Sauppe, of Göttingen, which was presented to the college in 1894, and the Semitic library of the late Professor Amiaud, of Paris, acquired in 1892. A more detailed description of these two collections may be found on pages 66 and 89.

The sum of about five thousand dollars is expended yearly for books under the direction of the heads of the several collegiate departments, and, in addition to many gifts of books,

about twenty thousand dollars has been presented to the library during the past ten years for expenditure in special departments. Over four hundred publications and reviews in the English, German, Greek, French, Italian, Spanish, Norse, and Swedish languages, are taken by the library, as follows:

General and Miscellaneous Periodicals.

- | | |
|---------------------------------------|--------------------------------------|
| Academy. | Münchener allgemeine Zeitung. |
| Annales Politiques et Littéraires. | Nachrichten von der Königlischen |
| Athenæum. | Gesellschaft der Wissenschaften, |
| Atlantic Monthly. | Göttingen. |
| *Bibliothèque de la Faculté des Let- | Nation. |
| tres de l'Université de Paris. | Nationale Deutschland. |
| Bookman. | Neue Rundschau. |
| Bookman (English). | Nineteenth Century. |
| *Book News Monthly. | North American Review. |
| Bookseller. | Notes and Queries. |
| *Bryn Mawr Alumnae Quarterly. | Nuova Antologia. |
| Bulletin of Bibliography. | Outlook. |
| *Bulletin of the New York Public | *Pennsylvania Library Notes. |
| Library. | Preussische Jahrbücher. |
| Century. | Publishers' Weekly. |
| *Columbia University Quarterly. | Punch. |
| Contemporary Review. | Putnam's Monthly and the Critic. |
| Country Life in America. | Quarterly Review. |
| La Cultura. | *Rassegna Contemporanea. |
| Cumulative Book Index. | Reader's Guide to Periodical Litera- |
| Deutsche Rundschau. | ture. |
| Dial. | Review of Reviews. |
| Fortnightly Review. | Revue Critique d'Histoire et de Lit- |
| Forum. | térature. |
| Göttingische Gelehrte Anzeigen. | Revue de Paris. |
| Harper's Monthly Magazine. | Revue des Deux Mondes. |
| Harper's Weekly. | Revue Politique et Littéraire: Revue |
| Harvard Graduate Magazine. | Bleue. |
| Internationale Wochenschrift für | Saturday Review. |
| Wissenschaft, Kunst u. Technik. | Scribner's Magazine. |
| Jahresverzeichniss der an den deut- | Spectator. |
| schen Schulanstalten erschienenen | Der Türmer. |
| Abhandlungen. | *Tipyn o' Bob. |
| *Johns Hopkins University, Circulars. | *University of Colorado, Studies. |
| Library Journal. | *University of Nebraska, Studies. |
| Mercure de France. | *University of Washington, Studies. |
| Mind and Body. | Westminster Review. |
| *Monthly Bulletin of the Carnegie | Die Woche. |
| Library of Pittsburgh. | World's Work. |

Newspapers.

- | | |
|------------------------|-----------------------------|
| *Bryn Mawr Record. | New York Tribune. |
| New York Evening Post. | Philadelphia Public Ledger. |
| New York Times. | |

Art and Archæology.

American Journal of Archæology.
 Bulletin de Correspondance hellénique.
 *Bulletin of the Metropolitan Museum of Art, New York.
 Burlington Magazine.
 Ephemeris Archæologike.
 Jahrbuch des Kaiserlich deutschen archæologischen Instituts.
 Jahresbericht über die Fortschritte der classischen Alterthumswissenschaft.
 Jahreshefte des österreichischen archæologischen Institutes in Wien.

Journal of Hellenic Studies.
 Mittheilungen des Kaiserlich deutschen archæologischen Instituts, Athenische Abteilung.
 Mittheilungen des Kaiserlich deutschen archæologischen Instituts, Römische Abteilung.
 *Museum of Fine Arts Bulletin, Boston.
 Revue Archéologique.
 Zeitschrift des Deutschen Palästina Vereins.

Economics and Politics.

*Advocate of Peace.
 Allgemeines statistisches Archiv.
 American Federationist.
 *American Flag.
 American Journal of Sociology.
 American Political Science Review.
 Annals of the American Academy of Political and Social Science.
 Bibliographia Economica Universalis.
 *Bulletin of the New York State Department of Labor.
 *Bulletin of the University of Wisconsin, Economics and Political Science Series.
 Columbia Law Review.
 Economic Journal.
 Economic Review.
 Equity Series.
 Harvard Law Review.
 International Socialist Review.
 Jahrbücher für Nationalökonomie u. Statistik.
 Johns Hopkins University Studies in Historical and Political Science.

Journal of Political Economy.
 Journal of the Royal Statistical Society.
 Political Science Quarterly.
 Publications of the American Economic Association.
 Publications of the American Statistical Association.
 Quarterly Journal of Economics.
 Revue Bibliographique.
 *Southern Workman.
 Survey.
 *University of Missouri Studies, Social Science Series.
 *University of Pennsylvania Publications, Series in Political Economy and Public Law.
 Vierteljahrschrift für Philosophie u. Soziologie.
 Yale Review.
 Zeitschrift für Socialwissenschaft.
 Zeitschrift für Volkswirtschaft, Socialpolitik u. Verwaltung.

Education.

Education.
 Educational Review.
 Educational Times.
 Elementary School Teacher.
 Journal of Educational Psychology.
 Journal of Pedagogy.
 Lehrproben und Lehrgänge.
 Pedagogical Seminary.

*Publications of the Association of Collegiate Alumni.
 Revue Internationale de l'Enseignement Supérieur.
 Revue Universitaire.
 School Review.
 *University of California Publications, Education.

History.

American Historical Review.
 *Bulletin of the University of Wisconsin, History Series.
 English Historical Review.
 Historische Vierteljahrschrift.
 Historische Zeitschrift.
 *Illinois State Historical Society Journal.

Klio, Beiträge zur alten Geschichte.
 Pennsylvania Magazine of History.
 Revue des Questions Historiques.
 Revue Historique.
 *University of Pennsylvania Publications, Series in History.
 *University of Toronto Studies, History and Economics.

Philology and Literature, Classical.

Bulletin Bibliographique et Pédagogique du Musée Belge.
 Classical Journal.
 Classical Philology.
 Classical Quarterly.
 Classical Review.
 Classical Weekly.
 Harvard Studies in Classical Philology.
 Hermes.
 Mnemosyne.
 Le Musée Belge, Revue de Philologie Classique.

Philologische Untersuchungen.
 Quellen und Forschung zur lateinischen Philologie.
 Revue de Philologie.
 Revue des Etudes Grecques.
 Rheinisches Museum für Philologie.
 Rivista di Filologia.
 Studi Italiani di Filologia Classica.
 Wiener Studien, Zeitschrift für klassische Philologie.
 Wochenschrift für klassische Philologie.

Philology and Literature, General and Comparative.

American Journal of Philology.
 Berliner philologische Wochenschrift.
 Eranos.
 Indogermanische Forschungen.
 Journal of Philology.
 Memoires de la Société Neo-philologique à Helsingfors.
 Neue Jahrbücher für das klassische Altertum, Geschichte und deutsche Literatur.

Transactions of the American Philological Association.
 *University of Pennsylvania Publications, Series in Philosophy and Literature.
 Zeitschrift für das Gymnasialwesen.
 Zeitschrift für die österreichischen Gymnasien.
 Zeitschrift für vergleichende Literaturgeschichte.
 Zeitschrift für vergleichende Sprachforschung.

Philology and Literature, Modern

Anglia.
 Anglistische Forschungen.
 Annales de la Société Jean-Jacques Rousseau.
 Annales Romantiques.
 Archiv für das Studium der neueren Sprachen.
 Archivio Glottologico Italiano.
 Arkiv for Nordisk Filologi.
 Beiblatt zur Anglia: Mitteilungen über englische Sprache und Literatur.

Beiträge zur Geschichte der deutschen Sprache und Literatur.
 Bonner Studien zur englischen Philologie.
 British Society of Franciscan Studies.
 Bulletin de la Société des Anciens Textes Français.
 Bulletin hispanique.
 Chaucer Society, Publications (Both series).
 Deutsche Literaturzeitung.

Dialect notes.
 Early English Text Society Publications (Both series).
 Englische Studien.
 Euphorion.
 German American Annals.
 Germanisch-romanische Monatsschrift.
 Giornale Dantesco.
 Giornale Storico della Letteratura Italiana.
 Goethe Jahrbuch.
 Jahrbuch der deutschen Shakespeare Gesellschaft.
 Jahrbuch des Vereins für niederdeutsche Sprachforschung.
 Jahresbericht über die Erscheinungen auf dem Gebiete der germanischen Philologie.
 Journal of Germanic Philology.
 Kieler Studien zur englischen Philologie.
 Korrespondenzblatt des Vereins für niederdeutsche Sprachforschung.
 Kritischer Jahresbericht über die Fortschritte der romanischen Philologie.
 Literarische Echo.
 Literarisches Centralblatt.
 Literaturblatt für germanische und romanische Philologie.
 Le maître Phonétique.
 Modern Language Notes.
 Modern Language Review.
 Modern Philology.

Münchener Beiträge zur romanischen und englischen Philologie.
 Palaestra.
 Poet-lore.
 Publications of the Modern Language Association.
 Quellen und Forschungen zur Sprach- und Culturgeschichte der germanischen Völker.
 Rassegna Bibliografica.
 Revue d'Histoire Littéraire de la France.
 Revue des Etudes Rabelaisiennes.
 Revue Germanique.
 Revue Hispanique.
 Romania.
 Romanische Forschungen.
 Schriften der Goethe Gesellschaft.
 Scottish Text Society, Publications.
 Société des Anciens Textes français, Publications.
 Société des Textes Français Modernes, Publications.
 Studi Medievali.
 Wiener Beiträge zur englischen Philologie.
 Zeitschrift für den deutschen Unterricht.
 Zeitschrift für deutsche Philologie.
 Zeitschrift für deutsches Altertum und deutsche Litteratur.
 Zeitschrift für französische Sprache und Litteratur.
 Zeitschrift für romanische Philologie.

Philology and Literature, Semitic.

American Journal of Semitic Languages and Literatures.
 Proceedings of the Society of Biblical Archæology.
 Recueil d'archæologie orientale.

Recueil de Travaux relatifs à la Philologie et à l'Archéologie égyptiennes et assyriennes.
 Zeitschrift für ägyptische Sprache und Altertumskunde.
 Zeitschrift für Assyriologie.

Philosophy and Psychology.

American Journal of Psychology.
 Année Psychologique.
 Archiv für die gesamte Psychologie.
 Archiv für Geschichte der Philosophie.
 Archiv für systematische Philosophie.
 Archives de Psychologie.
 Archives of Psychology.
 British Journal of Psychology.

Bulletin de l'Institut Psychologique.
 International Journal of Ethics.
 Journal de Psychologie.
 Journal für Psychologie und Neurologie.
 Journal of Philosophy, Psychology and Scientific Methods.
 Mind.
 Monist.
 Philosophical Magazine.
 Philosophical Review.

Psychological Bulletin.
 Psychological Review.
 Psychological Review: Monograph Supplements.
 Psychological Review: Psychological Index.
 Psychologische Arbeiten.
 Psychologische Studien.
 Revue de l'Hypnotisme.
 Revue de Metaphysique.
 Revue Philosophique.

*University of California Publications, Philosophy.
 *University of Toronto Studies, Psychology Series.
 Vierteljahrsschrift für wissenschaftliche Philosophie.
 Zeitschrift für Psychologie und Physiologie der Sinnesorgane: 1 abt., Zeitschrift für Psychologie. 2 abt., Zeitschrift für Sinnesphysiologie.

Religion.

American Friend.
 American Journal of Religious Psychology and Education.
 American Journal of Theology.
 †Association Monthly.
 †Australasian Intercollegian.
 *Baptist Missionary Magazine.
 †Bible Student and Teacher.
 Biblical World.
 Bibliotheca Sacra.
 *Deaconess Advocate.
 †Deutsche christliche Studenten-Bewegung-Mitteilungen.
 †Evangel.
 Expositor.
 Expository Times.
 *Friends' Missionary Advocate.
 *Hartford Seminary Record.
 Harvard Theological Review.

†Herald of Gospel Liberty.
 †Intercollegian.
 Journal of Biblical Literature.
 Journal of Theological Studies.
 †Medical Missionary.
 †Missionary Review.
 Proceedings of the Society of Biblical Archæology.
 *Publications of the American Jewish Historical Society.
 †Record of Christian Work.
 Religious Education.
 Revue Biblique.
 *Spirit of Missions.
 †Student Movement.
 *Washington Chapel Chronicle.
 *Woman's Missionary Friend.
 †Young Women of Canada.

Science, Biology.

American Journal of Anatomy.
 American Journal of Physiology.
 American Naturalist.
 Anatomischer Anzeiger.
 Archiv für Anatomie und Physiologie.
 Archiv für die gesammte Physiologie.
 Archiv für Entwicklungsmechanik der Organismen.
 Archiv für mikroskopische Anatomie.
 Archiv für Protistenkunde.
 Bibliographia Physiologica.
 Biologisches Centralblatt.
 Biometrika.
 Botanische Zeitung. 1. Abtheilung.
 Botanische Zeitung. 2. Abtheilung.
 Botanisches Centralblatt.

*Brown University, Contributions from the Biological Laboratory.
 Centralblatt für Physiologie.
 *Illinois State Laboratory of Natural History Bulletin.
 Jahrbücher für wissenschaftliche Botanik.
 Journal de Physiologie.
 Journal of Experimental Zoology.
 Journal of Physiology.
 Journal of the Royal Microscopical Society.
 Mittheilungen aus der Zoologischen Station zu Neapel.
 Quarterly Journal of Microscopical Science.
 *University of California Publications, Physiology.

- *University of California Publications, Zoology.
- *University of Pennsylvania, Contributions from the Botanical Laboratories.
- *University of Pennsylvania, Contributions from the Zoological Laboratories.

- *University of Toronto Studies, Biological Series.
- University of Toronto Studies, Physiological Series.
- Zeitschrift für wissenschaftliche Zoologie.
- Zoologischer Anzeiger.

Science, General.

- American Journal of Science.
- Atti della Reale Accademia della Scienze di Torino.
- Bulletin de l'Académie Imperiale des Sciences de St. Pétersbourg.
- *Bulletin of the University of Wisconsin, Engineering Series.
- *Bulletin of the University of Wisconsin, Science Series.
- Comtes Rendus des Séances de l'Académie des Sciences.
- Elisha Mitchell Scientific Society Journal.
- *Kansas University, Science Bulletin.
- Nature.
- *New York State Museum Bulletin.

- *Oklahoma University Research Bulletin.
- Philosophical Transactions of the Royal Society of London.
- Popular Science Monthly.
- Proceedings of the American Philosophical Society.
- Proceedings of the Royal Society of London.
- Science.
- *Technology Review.
- *University of Missouri Studies, Science Series.
- Verhandlungen der physikalisch-medicinischen Gesellschaft zu Würzburg.

Science, Geology, and Geography.

- Centralblatt für Mineralogie.
- Economic Geology.
- Geographical Journal.
- Geological Magazine.
- Geologisches Centralblatt.
- *Georgia Geological Survey Bulletin.
- *Illinois Geological Survey Bulletin.
- Journal of Geography.
- Journal of Geology.
- Meteorologische Zeitschrift.
- Mineralogical Magazine.

- Mineralogische und petrographische Mittheilungen.
- National Geographic Magazine.
- Neues Jahrbuch für Mineralogie, Geologie und Paläontologie.
- Philadelphia Geographical Society Bulletin.
- Quarterly Journal of the Geological Society.
- *U. S. Monthly Weather Review.
- *University of Toronto Studies, Geological Series.

Mathematics, Chemistry, and Physics.

- Acta Mathematica.
- American Chemical Journal.
- American Journal of Mathematics.
- Annalen der Chemie.
- Annalen der Physik.
- Annales de Chimie et de Physique.
- Annales de la Faculté des Sciences de l'Université de Toulouse.
- Annales Scientifiques de l'Ecole Normale Supérieure.

- Annali di Matematica.
- Astrophysical Journal.
- Beiblätter zu den Annalen der Physik.
- Berichte der deutschen chemischen Gesellschaft.
- Bibliotheca Mathematica.
- Bollettino di Bibliografia e Storia delle Scienze Matematiche.
- Bulletin de la Société Mathématique.

Bulletin des Sciences Mathématiques.
 Bulletin of the American Mathematical Society.
 Giornale di Matematiche.
 Jahrbuch über die Fortschritte der Mathematik.
 Jahresbericht der deutschen mathematischen Vereinigung.
 Jahresbericht über die Fortschritte der Chemie.
 Journal de Mathématiques.
 Journal de Physique.
 Journal für die reine und angewandte Mathematik.
 Journal für praktische Chemie.
 Journal of the Chemical Society.
 Mathematische Annalen.
 Messenger of Mathematics.
 Monatshefte für Chemie.
 Physical Review.
 Physikalische Zeitschrift.

Proceedings of the London Mathematical Society.
 Quarterly Journal of Mathematics.
 Rendiconti del Circolo Matematico di Palermo.
 Science Abstracts.
 Transactions of the American Mathematical Society.
 *U. S. Bureau of Standards Bulletin.
 *University of Pennsylvania Publications, Astronomical Series.
 *University of Toronto Studies, Papers from the Chemical Laboratories.
 *University of Toronto Studies, Papers from the Physical Laboratories.
 Zeitschrift für anorganische Chemie.
 Zeitschrift für Elektrochemie.
 Zeitschrift für Mathematik und Physik.
 Zeitschrift für physikalische Chemie.

The library is open daily from eight A.M. to ten P.M. Books may be taken out by the students unless specially reserved for library reference use.

There are in Philadelphia the following important libraries which are available for students:

The *Philadelphia Library Company*, which contains about 227,000 volumes and 30,000 pamphlets, and is at all times open to the students for consultation. Private subscription, for four volumes, \$12 a year, or \$10 for nine months.

The *Mercantile Library*, which contains about 190,000 volumes and 10,000 pamphlets. Private subscription, \$2.00 a year for two separate works at a time.

The *Library of the Academy of Natural Sciences*, which contains about 60,000 volumes. The Council of the Academy has generously conceded the use of its library and of its museum to the students of Bryn Mawr College.

The *Library of the University of Pennsylvania*, which contains about 300,000 volumes and 50,000 pamphlets. The custodians of this library have always shown great courtesy in placing rare volumes at the disposal of the college.

The *Free Library of Philadelphia*, which contains about 340,000 volumes and 59,000 pamphlets, and is at all times open to the students for consultation.

Sanskrit and Comparative Philology.

The instruction in this department is under the direction of Dr. Hans Weyhe, Associate in Teutonic Philology and Sanskrit, and Dr. Roland G. Kent, Non-resident Lecturer in Sanskrit.

GRADUATE COURSES.

Dr. Weyhe offers in each year the following graduate courses:

Lectures on Comparative Philology, and Philological Seminary.

Two hours a week throughout the year.

Students entering this course are expected to be familiar with German and French. A short preliminary course in Sanskrit is also of great aid to the student. The lectures on comparative philology treat of the connection of the Greek and Latin languages with the related languages of the Aryan group, first, phonetically, secondly, from the point of view of grammatical forms, and lastly, from the point of view of syntax. In the first part of the course, which covers what during the last few years has been the field of the most active research, the student is introduced to the latest theories and discoveries in Aryan phonetics, and is expected to read and criticise the articles appearing from time to time in the philological journals, and to prepare reports on these articles. The same method is pursued during the investigation of the history of forms; and in the third part of the course the student begins the study of comparative syntax by a close comparison of the use of cases and verbal forms in Sanskrit, Greek, and Latin.

Elementary Sanskrit.

Two hours a week throughout the year.

Whitney's *Grammar* and Lanman's *Reader* are used.

The courses in Comparative Philology and in Elementary Sanskrit will not, as a rule, be given in the same year.

Dr. Kent offers in 1909-10 the following graduate course:

Advanced Sanskrit.

One hour a week throughout the year.

Lectures are given on the phonology and morphology of Sanskrit. The study of Lanman's *Reader* is continued and Kālidāsa's *Śakuntala*, Act I. is read.

Greek.

The instruction in this department is under the direction of Dr. Henry Nevill Sanders,* Professor of Greek; Dr. Wilmer Cave Wright, Associate Professor of Greek; Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages, Dr. Caroline Louise Ransom, Associate Professor of the History of Art and Classical Archæology, Miss Abby Kirk, Reader in Elementary Greek, and Dr. Isabelle Stone, Reader in Greek.

Exceptional facilities for the study of all departments of clas-

* Granted leave of absence for the second semester, 1909-10.

sical philology are offered by the large classical library owned by the College. The greater part of this library is formed by the well-known collection of the late Professor Hermann Sauppe, of Göttingen, which was acquired in 1894. This has been supplemented by purchases made by the college library, so that the classical library now numbers some seven thousand volumes, including complete sets of most of the important journals, and about seven thousand dissertations and monographs.

GRADUATE COURSES.

The graduate courses in Greek are varied from year to year in two series, Attic Tragedy, Orators, and Historians, and the Homeric Question, Menander, Plato, and Aristophanes, in order that they may be pursued by a student for consecutive years. Students electing Greek as part of the work for the degree of Doctor of Philosophy are required to offer with each three hour seminary a two hour seminary and *vice versa*, so as to make up five hours of seminary work, but both seminaries need not be taken in the same year. Three five hour courses are required of students who offer Greek as a major subject in the examination for the degree of Doctor of Philosophy; two five hour courses are required when Greek is the only minor subject offered, and one five hour course when two minors are offered. The post-major courses also are open to graduate students. A large part of the work expected of graduate students consists of courses of reading pursued under the direction of the department; and reports of this reading are from time to time required of the students. A reading knowledge of French and German is required. The course in comparative philology conducted by Dr. Weyhe is recommended to graduate students of Greek. For graduate courses in History of Art and Classical Archaeology, which may be offered as a minor by students taking Greek as a subject for the degree of Doctor of Philosophy, see page 103.

No undergraduates are admitted to graduate courses.

Dr. Sanders conducts in each year the following graduate seminary:

Greek Seminary.

Three hours a week throughout the year.

In 1909-10 Greek orators are studied in the seminary. The work consists of the reading of large portions of all the orators and the critical interpretation of a selected part of each. Lectures are given on legal antiquities, the syntax, and the style of the various authors, in conjunction with which Dionysius of Halicarnassus and the Greek Rhetoricians are studied. The later rhetoricians are treated and their criticism of antiquity investigated. Students are expected to provide themselves with the Teubner text editions of Antiphon, Andocides, Lysias, Isocrates, Isæus, Æschines, Hyperides, and Demosthenes. The classical library is well equipped with works on the orators. The seminary met in 1909-10 during the first semester only.

In 1910-11 the main subject of the seminary is the Greek Historians. Thucydides is studied in detail and reports are made on data of history contained in Greek literature in general. Lectures are given by the instructor on subjects connected with Greek

historiography, such as the composition of Thucydides's history, the syntax and style of Thucydides, the history of early prose, Greek historical inscriptions.

In 1911-12 the subject of the seminary is Attic Tragedy. The special work of the seminary is devoted to the editing of Euripides's *Orestes*. Members of the seminary report on special subjects and give critical summaries of current classical literature.

Dr. Wright conducts in each year the following graduate seminary:

Greek Seminary.

Two hours a week throughout the year.

In 1909-10 the subject of the seminary in the first semester is Menander. A thorough study of all the extant fragments of Menander is made with reports by the students on Menander's style, metres, text, and influence on Latin Comedy. The recent discovery of considerable remains of Menander's Comedies and the publication of the Cairo Menander (1907) have provided sufficient material to make such a course profitable to students of the Greek drama.

In the second semester the subject of the seminary is the Homeric Question, and the work consists of a review of the discussions of the Homeric poems since the publication of Wolf's *Prolegomena*. The various tests that have been applied to the poems by archæologists, linguists, historians of myths, and æsthetic critics are taken up and criticised in detail.

In 1910-11 the subject of the seminary is Aristophanes. The aim of the seminary is to make the students familiar with the more important Aristophanic literature up to the present day. Portions of the text are interpreted by the class and reports on assigned topics, literary, historical, and archæological, connected with the plays are expected from all the members. All the comedies of Aristophanes are read in the course of the year; lectures are given by the instructor on the metres and syntax of Aristophanes, on the dramatic structure of the plays and on the history of Attic comedy. Part of the work consists of analyses of Latin and German dissertations on Aristophanes which are presented by members of the class. Every member of the class should provide herself in advance with a complete text of Aristophanes. The Teubner (Leipsic) or Clarendon Press (Oxford) editions are recommended.

In 1911-12 the seminary will be on Plato. The work is mainly literary and critical. Lectures on the style, philosophy, and chronology of the dialogues are given by the instructor; a detailed interpretation of a portion of Plato, and reports on topics set for discussion are given by the class. The students are expected to read the *Republic*, *Theætetus*, *Parmenides*, and *Sophist* and discuss certain problems arising from these dialogues. The aim of the course is to lay a foundation for independent work by familiarising the students with the achievements of German scholarship and the general field of Platonic literature up to the present day. Analyses of German and Latin dissertations are expected from the class. Lutoslawski's *Origin and Growth of Plato's Logic* will be studied and criticised in detail. Every member of the seminary should provide herself in advance with a complete text of Plato. The Teubner (Leipsic) or Clarendon Press (Oxford) editions are recommended.

Dr. Wright conducts in 1909-10 the following graduate seminary:

Seminary in Plato.

Two hours a week during the second semester.

POST-MAJOR COURSES.

Dr. Sanders offers in 1909-10 the following post-major courses, open to graduate students:

Æschylus, Oresteia.

Two hours a week during the first semester.

Aristophanes, Acharnians, Knights.

One hour a week during the first semester.

Dr. Sanders offers in 1910-11 the following post-major courses, open to graduate students:

Private Orations of the Attic Orators.	<i>Two hours a week during the first semester.</i>
Sophocles, <i>Antigone</i> .	<i>One hour a week during the first semester.</i>
Æschylus, <i>Agamemnon</i> .	<i>Two hours a week during the second semester.</i>
Bacchylides.	<i>One hour a week during the second semester.</i>

Dr. Sanders offers in 1911-12 the following post-major courses, open to graduate students:

Lucian.	<i>Two hours a week during the first semester.</i>
Sophocles, <i>Trachiniæ</i> .	<i>One hour a week during the first semester.</i>
Greek Prose Composition, Rhetoric, and the Theory of Imitative Writing.	<i>One hour a week during the second semester.</i>
Greek Melic Poets.	<i>One hour a week during the second semester.</i>
Euripides, <i>Heracles</i> .	<i>One hour a week during the second semester.</i>

Dr. Wright offers in 1909-10 the following post-major course, open to graduate students:

Theocritus.	<i>One hour a week during the second semester.</i>
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Dr. Stone offers in 1909-10 the following post-major courses, open to graduate students:

Pindar.	<i>Two hours a week during the second semester.</i>
Sophocles, <i>Electra</i> .	<i>One hour a week during the second semester.</i>

FREE ELECTIVE COURSES.

Free elective courses, amounting to five hours a week, are offered in Classical Art and Archæology; see page 104.

A free elective course of two hours a week is offered in New Testament Greek; see page 93.

Latin.

The instruction in this department is under the direction of Dr. Arthur Leslie Wheeler, Professor of Latin, Dr. Tenney Frank, Associate Professor of Latin, and Miss Elizabeth Andros Foster, Reader in Latin.

GRADUATE COURSES.

The graduate work in Latin is conducted according to the seminary method, and is intended not only to broaden the student's knowledge, but also to teach methods of work. The graduate courses in Latin are varied from year to year in two series, Roman Comedy, Lyric Poetry and Elegy, and Roman History, Epigraphy and Literature, or Syntax. Students

electing Latin as part of the work for the degree of Doctor of Philosophy are required to offer with each three hour seminary a two hour seminary and *vice versa*, so as to make up five hours of seminary work, but both seminaries need not be taken in the same year. Such students are recommended to attend the Journal Club. Three five hour courses are required of students who offer Latin as a major subject in the examination for the degree of Doctor of Philosophy; two five hour courses are required when Latin is the only minor subject offered and one five hour course when two minors are offered. It is desirable that all students who intend to do advanced work in Latin should have some knowledge of Greek. A reading knowledge of French and German is also necessary.

No undergraduates are admitted to graduate courses.

Dr. Wheeler conducts in each year the following graduate seminary:

Latin Seminary.

Three hours a week throughout the year.

In 1909-10 the subject of the seminary is Latin Comedy. All the plays of Plautus and Terence are read by the students: single plays form the basis of special work on the language, text, metres, etc.

Students should provide themselves with the text edition of Plautus, edited by W. M. Lindsay, Oxford, 1903-04, and with Dziatzko's text of Terence, Leipsic, Tauchnitz, 1884. The plays of Plautus, annotated by Brix, Leipsic, Teubner, 1888-1901, and by Lorenz, Berlin, Weidmann, 1876-86, and the plays of Terence, annotated by Dziatzko (revised by Hauler), 1898 and 1903 (Teubner), and by Spengel, 1879 and 1905, Weidmann, are also recommended. *P. Terenti Afri Comoediae*, edited by S. G. Ashmore, Oxford University Press, New York, 1908, is a convenient commentary.

In 1910-11 the subject of the seminary will be the Roman Lyric in the Period of the Republic. After a rapid survey of the fragmentary lyric remains of the predecessors and contemporaries of Catullus, the poems of Catullus himself will be studied in detail. Students should have *Catulli carmina* (Oxford text, 1904), edited by Robinson Ellis, and either the same scholar's *Commentary on Catullus*, Oxford, Clarendon Press, 1889 (second edition), or G. Friedrich's *Catulli Veronensis liber*, Leipsic und Berlin 1908 (Teubner).

In 1911-12 Roman Elegy as represented by Tibullus, Propertius, and Ovid is the subject of the seminary. In addition to a careful study of selected poems an effort is made to trace the history of elegy among the Romans. The various topics connected with the subject are treated in detail as far as time permits, and the students are encouraged to familiarise themselves with the best literature in editions, periodicals, and dissertations. The text recommended is the Oxford Clarendon Press edition of Catullus, Tibullus, and Propertius edited by Ellis, Postgate, and Phillimore, 1906 (one volume).

Dr. Frank conducts in each year the following graduate seminary:

Latin Seminary.

Two hours a week throughout the year.

In 1909-10 Roman History from the sources is the subject of the seminary. The object of this study is to examine in detail the course of events during the last years of the Roman Republic, and to familiarise the student with the sources of historical knowledge for that period. The course consists largely of research work on the part of the student.

In 1910-11 the work of the seminary is Latin Epigraphy and Palæography. About two-thirds of the course is devoted to the study of the *Corpus Inscriptionum*. The questions assigned for investigation deal mainly with Roman political institutions

public and private life, and with historical grammar. Dessau's *Inscriptiones Latinae Selectae* is used in the class room. The paleographical facsimiles of Chatelain, Zange-meister and Wattenbach, and Arndt form the basis for work in the latter part of the course.

In 1911-12 selected topics in Roman Literature will be studied. The work consists of studies in the beginnings of the Roman epic, tragedy, and prose, special attention being paid to the relation of the literature to historical events and native influences. The students will read reports on special subjects assigned to them. A study of Latin Syntax may be substituted.

Dr. Wheeler and Dr. Frank together conduct the journal club.

Latin Journal Club. *One and a half hours once a fortnight throughout the year.*

The advanced students and the instructors meet to report on and discuss recent reviews and critical articles.

POST-MAJOR COURSES.

Dr. Wheeler offers in 1909-10 and again in 1911-12 the following post-major course, open to graduate students:

Roman Satire, its Origin and Development.

Two hours a week throughout the year.

The subject is treated historically in order to give an outline of the origin and development of Satire. The class reads selections from Horace, Persius, Seneca, Petronius, and Juvenal, together with some of the fragments of Ennius, Lucilius, and Varro. The readings are supplemented by occasional lectures. Each student is required to prepare one or more papers on assigned topics in each semester.

Dr. Wheeler offers in 1910-11 and again in 1912-13 the following post-major course, open to graduate students:

Roman Elegy, its Origin and Development.

Two hours a week throughout the year.

An effort is made to trace historically the development of this branch of poetry among the Romans. Selections from Catullus, Tibullus, Propertius, and Ovid are read. The readings are supplemented by occasional lectures. Special attention is devoted to the structure and reading of the elegiac distich and to the characteristics of Roman poetic diction. Each student is required to prepare one or more papers on assigned topics in each semester.

Dr. Frank offers in 1909-10 and again in 1911-12 the following post-major courses, open to graduate students:

Lucretius.

Three hours a week during the first semester.

The first three books of the *De Rerum Natura* and selections from the fourth, fifth, and sixth books are studied.

Lectures on Roman History.

Two hours a week during the first semester.

Collateral reading is assigned from the Latin sources and independent reports on special topics required.

Advanced Latin Prose Composition.

One hour a week throughout the year.

Cicero and Cæsar.

Three hours a week during the second semester.

An effort is made by means of lectures, discussions and extensive reading to gain an intimate acquaintance with the literary work and the political careers of Cicero and Cæsar.

Catullus, and Horace, *Epistles*. *Two hours a week during the second semester*

In connection with the reading of Horace's *Ars Poetica* special stress is laid upon his theories of literary criticism.

Dr. Frank offers in 1910-11 and again in 1912-13 the following post-major courses, open to graduate students:

The Life and Works of Vergil. *Three hours a week during the first semester.*

The larger part of the *Aeneid*, two books of the *Georgics* and some of the *Eclogues* and *Pseudo-Vergiliana* are read and discussed.

Pliny, *Letters*; Martial. *Two hours a week during the first semester.*

Special attention is paid to a study of the political and social conditions of the period included in the course.

Advanced Latin Prose Composition. *One hour a week throughout the year.*

Roman Prose of the Empire. *Three hours a week during the second semester.*

Selections from Velleius, Seneca, Quintilian, Tacitus, Suetonius, Apuleius, and Minucius Felix are read.

Seneca and Lucan. *Two hours a week during the second semester.*

Three tragedies of Seneca and portions of Lucan's *Pharsalia* are read.

MODERN LANGUAGES.

Professors and instructors: Dr. M. Carey Thomas, Dr. Fonger DeHaan, Dr. Albert Schinz, Miss Lucy Martin Donnelly, Dr. Karl Detlev Jessen, Dr. Clarence Carroll Clark, Dr. Carleton Fairchild Brown, Dr. Richard Thayer Holbrook, Dr. Hans Weyhe, Mr. Samuel Arthur King, Mr. Frederick A. Blossom, Miss Rose Chamberlin, Miss Katharine Fullerton, Dr. Regina Katharine Crandall, Dr. Orie Latham Hatcher, Miss Georgiana Goddard King, Dr. Clara Leonora Nicolay, Dr. Lillie Deming Loshe, and Miss Content Shephard Nichols.

English.

The instruction in this department is under the direction of Dr. M. Carey Thomas, Professor of English, Miss Lucy Martin Donnelly, Associate Professor of English, Dr. Clarence Carroll Clark, Associate Professor of English, Dr. Carleton Fairchild Brown, Associate Professor of English Philology, Mr. Samuel Arthur King, Non-resident Lecturer in English Diction, Dr. Orie Latham Hatcher, Lecturer in Elizabethan Literature, and Associate (elect) in Comparative Literature and Elizabethan Literature, Miss Katharine Fullerton, Dr. Regina Katharine Crandall, Miss Georgiana Goddard King, Dr. Lillie Deming Loshe, and Miss Content Shepard Nichols, Readers in English.

GRADUATE COURSES.

There are offered each year distinct graduate seminaries and courses in English literature and in English language, and these seminaries and courses are varied so as to enable candidates for the degree of Doctor of Philosophy to pursue graduate work for three or more successive years. The graduate courses in literature presuppose at least as much knowledge as is obtained in the two years' course of undergraduate lectures on English literature and in one of the literature years of the English major; and the graduate courses in Anglo-Saxon presuppose as much knowledge of Anglo-Saxon as is obtained in the language year in the English major.

Students who choose English as their chief subject in their examination for the degree of Doctor of Philosophy must have, if they specialise in literature, at least as much knowledge of Anglo-Saxon, and if they specialise in language, at least as much knowledge of literature, as is obtained in the courses required of those students who make English one of the chief subjects of undergraduate study, and must have taken at least the equivalent of the essay work in the required English course.

The graduate instruction in English literature includes the direction of private reading and the assignment of topics for investigation.

No undergraduates are admitted to graduate courses.

Dr. Clark conducts in each year the following graduate seminary:

Seminary in English Literature.

Three hours a week throughout the year.

In 1909-10 seventeenth century prose writers are studied. The authors usually chosen for discussion are Bacon, Milton, and Hooker.

In 1910-11 the literary movement of the eighteenth century will be studied in connection with Johnson.

In 1911-12 romantic criticism is the subject of the seminary. The overthrow of eighteenth century standards, and the rise of a new school of criticism is studied in the works of Coleridge, Hazlitt, and Lamb.

Dr. Brown conducts in each year the following graduate seminary:

Seminary in Middle English.

Three hours a week throughout the year.

In 1909-10 the beginnings of English Drama are the subject of the seminary. Though the cycles of the mystery plays are considered in general, the larger part of the time is devoted to the study of the English morality plays. Particular attention is given to the connection between the moralities and the didactic treatises and the debates. The moralities and the secular drama are studied historically up to the time of Heywood. In addition to the reading and discussion of selected plays, lectures are given by the instructor with the object of setting various elements of dramatic development in proper proportion. Critical reports on assigned topics are required from the students.

In 1910-11 the subject will be the Middle English Romances. All the romances represented in Middle English will be read, and the relation of these English versions to their Latin and Old French originals will be discussed. The romance cycles will be taken up in the following order: Troy story, Alexander saga, romances of Germanic

origin, Arthurian cycle, Charlemagne cycle. Special investigations of various elements in individual romances will be undertaken from time to time by the members of the seminary.

In 1911-12 the seminary will undertake the study of *The Vision of Piers the Plowman* and the works of Chaucer. Attention will be devoted not so much to the critical reading of the texts themselves as to the examination of the questions of authorship and chronology which have recently been raised. These poems will also be discussed in their relation to the other literature of the fourteenth century. Special subjects for individual investigation will be assigned to the members of the seminary.

Dr. Brown offers in 1909-10 and again in 1911-12 the following graduate course:

Cynewulf and Cædmon.

Two hours a week throughout the year

Several of the poems traditionally ascribed to these authors are critically studied. Lectures are given with a view to furnishing a thorough introduction to Anglo-Saxon Christian poetry and the literary problems connected with it. This course is open to graduate students who have already taken the course in Anglo-Saxon grammar and reading of Anglo-Saxon texts or its equivalent.

Dr. Brown offers in 1910-11 and again in 1912-13 the following graduate courses:

Beowulf.

Two hours a week throughout the year

This course gives in the first place a general survey of Beowulf criticism, including textual problems, theories as to the composition of the poem, and an enquiry into its historical and mythological elements. In this connection a study is also made of the other pieces of Anglo-Saxon heathen poetry. This course is open to graduate students who have already taken the course in Anglo-Saxon Grammar and reading of Anglo-Saxon Texts, or its equivalent.

English Historical Grammar.

Two hours a week throughout the year.

In this course the development of the English Language is traced from the earliest times. After an outline has been given of the history and external relations of English, the change and decay of inflections, the use of prepositions and the more important points in historical syntax are discussed. The course presupposes a knowledge of Anglo-Saxon and Middle English.

Dr. Hatcher conducts in each year the following graduate seminary:

Seminary in Elizabethan Literature. *Three hours a week throughout the year.*

Shakespeare is the subject of the seminary in 1909-10. In the first semester as detailed a review as is practicable is made of the results of Shakesperian scholarship as regards critical problems of biography, authorship, chronology and source material of the plays, a comparison of varying versions of separate plays, the influence of earlier and contemporary dramatists, etc. Dramatic records relating to Shakespeare are also examined at first hand and evidences of his participation in the general dramatic activities of his time noted. In the second semester students are given individual problems for investigation.

In 1910-11 Spenser will be studied in the light of Mediæval and Renaissance culture. The subjects taken up will be the inspiration, models, and sources of Spenser's poetry; the many influences working upon him, and those emanating from him, as shown in the significant blending of classical, mediæval, and Renaissance tendencies in his poetry, and his initiative in solving the literary problems of his time. In the first semester all the works of Spenser will be read and the results of Spenserian research examined. The second semester will be devoted largely to the investigation by each student of some special problem.

In 1911-12 English drama from 1558 to 1642 will be studied, as the chief literary expression of the period. The conditions of its origin and continued production, its nature, extent, variety, development and decadence are discussed and a reasonable proportion of the extant plays of the period are read continuously as a background for other work. A brief introductory study is made of dramatic genres and of the broader principles of dramatic construction, and the remainder of the first semester is devoted to the examination of contemporary documents and other sources of information in regard to Elizabethan drama. In the latter half of the year each student investigates some special problem, such as dramatic inter-relationship or authorship, and gives reports upon her work.

Dr. Hatcher offers in 1909-10 the following graduate course:
Dramatic Theory and Technique in England until 1642.

One hour a week throughout the year.

The course inquires into the critical origins of English dramatic theory and into the technique of the various types of drama appearing in England before the closing of the theatres in 1642. An attempt is made to differentiate important sub-types of comedy and tragedy, and the essential characteristics of tragi-comedy, masque, and pastoral are noted. The inquiry includes references to foreign models and analyses of representative English plays of each type. The course is related to the seminary for 1909-10, dealing with Shakespeare, but may be elected separately.

Dr. Hatcher offers in 1910-11 the following graduate course:
The Drama as a Reflection of Contemporary Life.

One hour a week throughout the year.

Some one period in the development of the drama is chosen as the basis of study, usually the classical, the Elizabethan, or the modern, and the drama of that period is related as far as practicable to the social, economic and religious conditions of the time. The themes, situations, moral codes, and technical construction of the plays of the period selected are examined. In 1910-11 the modern period will probably be chosen and the material taken from recent and contemporary drama in Europe and America. The course is related to the seminary in Elizabethan literature but may be elected separately.

Dr. Hatcher offers in 1911-12 the following graduate course:
The Indebtedness of Elizabethan Literature to Continental

One hour a week throughout the year.

The course deals with the stimulus of earlier literary activity in the Romance countries and the consequent earlier development there of critical theories, the arts of versification, and of definite literary types. The models contributed to English literature by Italy, France, and Spain in epic, pastoral, tragedy, comedy, lyric, etc. are studied as well as the material actually borrowed and incorporated into Elizabethan literature. The significance of Elizabethan translations is emphasised. The course is related to the seminary in Elizabethan literature but may be elected separately.

Dr. Clark, Dr. Brown, and Dr. Hatcher together conduct the journal club.

English Journal Club.

One and a half hours a fortnight throughout the year.

The advanced students and the instructors meet to report on and discuss recent reviews and critical articles.

The following advanced undergraduate courses may be attended by graduate students:

Miss Donnelly offers in 1910-11 the following course:

English Poetry from 1780 to 1832.

Two hours a week throughout the year.

This course consists of a detailed study of the poetry of Cowper, Burns, Wordsworth, Coleridge, Scott, Byron, Shelley, and Keats; special attention is paid to the rise and development of the Romantic movement in English poetry, with occasional reference to similar movements in France and Germany.

Dr. Hatcher offers in 1909-10 and Miss Donnelly offers in 1911-12 the following course:

English Drama.

Two hours a week throughout the year.

This course is intended to give students that have completed the required course in English a more intimate knowledge of the later Elizabethan and the Jacobean drama. The lectures follow the development of the realistic and romantic tendencies in the comedy and tragedy of the period both as an expression of the national life and of the individual genius of the various dramatists. Selected plays of Shakespeare, Middleton, Ben Jonson, Beaumont and Fletcher, and other dramatists are read in connection with the lectures.

Dr. Clark offers in each year the following courses:

Classical and Romantic Prose.

Three hours a week throughout the year.

In the first semester the writings of Edmund Burke are considered with special reference to Classicism and Romanticism, and to the ideas of the French revolution. In the second semester the works of Lamb, Hazlitt, and De Quincey are studied.

English Critics of the Nineteenth Century.

Three hours a week throughout the year.

The essayists and critics after 1832 are studied. In the first semester the authors usually chosen are Carlyle, Matthew Arnold, and Newman. Short papers and one long essay must be prepared by the students attending the course. In the second semester Ruskin, Pater, and Swinburne are discussed.

Dr. Brown offers in each year the following course:

Anglo-Saxon Grammar and reading of Anglo-Saxon Texts.

Two hours a week throughout the year.

The course begins with an outline of Anglo-Saxon grammar as presented in Bright's *Anglo-Saxon Reader*. Selections in prose and verse from Bright's reader are next read with the class. In the second semester after a brief study of alliterative verse selections from *Beowulf* are read. Throughout the year lectures are given outlining the literature of the period and texts are read in translation.

Dr. Brown offers in 1909-10 and again in 1911-12 the following courses:

Middle English Poetry.

Three hours a week during the first semester.

The course begins with an outline of Middle English grammar sufficient to enable the students to read ordinary texts intelligently. Selections are then read from Layamon's *Brut*, Robert of Gloucester's *Chronicle*, Barbour's *Bruce*, Richard Rolle, Robert of Brunne's *Handlyng Synne*, Langland's *Vision of Piers the Plowman*, Gower's *Confessio Amantis*, and other pieces of Middle English literature. Lectures are given on the development of the language and literature during this period. The course is designed as an introduction to the course on Chaucer given in the second semester but may be taken independently.

Chaucer.

Three hours a week during the second semester.

In this course the best of the *Canterbury Tales* are studied, also the *Legend of Good Women*, *The House of Fame*, and portions of *Troilus and Criseyde*. The lectures discuss Chaucer's sources and literary art, and his relation to the English, French, and Italian literature of his time. Students taking this course are recommended, but not required, to have taken the course in Middle English poetry.

Dr. Brown offers in 1910-11 and again in 1912-13 the following course:

Middle English Romances.

Three hours a week throughout the year.

Selected romances are read by the members of the class. The lectures deal with the development of Romance literature in English with special reference to the romances of Germanic origin and the Arthurian cycle.

Dr. Hatcher offers in 1910-11 and in each succeeding year the following courses:

The Epic.

Three hours a week during the first semester.

The course is devoted to study of translations of the greater epics, but deals especially with those representing the classical tradition, the *Iliad*, the *Odyssey*, the *Aeneid*, and the greater Renaissance epics, *Orlando Furioso*, *Jerusalem Delivered*, the *Faerie Queene* and with *Paradise Lost*. The lectures discuss the literary value of the epics read and the origins and significance of epic poetry, and relate the artistic form of the epics studied to the critical theories of Aristotle and those of the Italian Renaissance.

The Pastoral.

Three hours a week during the second semester.

The course deals with the best literature which has grouped itself round the pastoral tradition. It is devoted largely to literary appreciation, and significant pastoral literature not available in adequate translations is discussed in the lectures, to include the *Eclogues* of Mantuan, the *Arcadia* of Sannazzaro, the *Diana* of Montemayor and *l'Astrée* of d'Urfé. The lectures trace the pastoral idea from its rise in the *Idylls* of Theocritus, through the romance and later classical eclogue into the Renaissance types of eclogue, pastoral lyric, novel, and drama. The reading for the course will include the *Idylls* of Theocritus, Bion and Moschus; *Daphnis and Chloe*, Vergil's *Eclogues*, Tasso's *Aminta*, Guarini's *Il Pastor Fido*, Sidney's *Arcadia*, Lodge's *Rosalind*, the Mantuan *Eclogues* of Barclay and others, Spenser's *Shepherd's Calendar*, Fletcher's *Faithful Shepherdess*, and Jonson's *Sad Shepherd*.

Dr. Hatcher offers in 1911-12 and in each succeeding year the following courses:

The Sonnet and Minor Lyric Forms.

Three hours a week during the first semester.

The lectures trace the rise of modern lyric poetry among the Troubadours and the spread of Provençal and other early Romance lyric forms from Italy, France, and Spain into England. The development of the sonnet form is emphasised and the English sonnet studied from its beginnings down to the present time with special reference to the sonnets of Sidney, Spenser, Shakespeare, Milton, Wordsworth, and Rossetti. The reading includes *Ballades and Rondeaux*, Scott's translations; *Ballads and Lyrics of Old France*, Andrew Lang's translations; Smith's *Troubadours at Home*, Rossetti's *Early Italian Poets*, Petrarch's *Sonnets*, Bullen's *Elizabethan Lyrics*, Sidney Lee's *Elizabethan Sonnets*, and selected lyrics from *The Oxford Book of English Verse*. Previous study of Latin and French is assumed.

The Drama.

Three hours a week during the second semester.

The object of the course is to suggest the many forms in which the human instinct for dramatic expression has manifested itself in different countries and periods, and to acquaint the student with the more significant of these forms in their historical order. The lectures inquire into the nature of the dramatic essence underlying all these forms, and attempt some comparison of the dramatic ideals and canons of the classical period with those of the Renaissance and with those of our own time. A few representative types of drama are studied in plays selected from different literatures and periods.

Dr. Clark offers in 1909-10 and again in 1911-12 the following free elective courses:

Victorian Poets.

Two hours a week during the first semester.

The works of Tennyson, Arnold, Clough, Fitzgerald, and Landor are studied.

Victorian Poets (continued).

Two hours a week during the second semester.

The Pre-Raphaelite movement is considered, and the works of Morris, Rossetti, Swinburne, and Browning are studied.

Dr. Clark offers in 1910-11 the following free elective courses:

English Fiction in the Nineteenth Century.

Two hours a week during the first semester.

The history of the novel up to the nineteenth century is presented briefly. The novels of Jane Austen and Walter Scott are studied as an introduction to the work of the second semester.

English Fiction in the Nineteenth Century (continued).

Two hours a week during the second semester.

The development of fiction is considered in the works of Thackeray, Dickens, Trollope, George Eliot, George Meredith, and others.

Dr. Brown offers in 1909-10 and again in 1911-12 the following free elective course:

The English Ballad.

One hour a week throughout the year.

The course is designed as an introduction to the study of popular poetry. Selections from the ballad literature of England and Scotland, representative of various types and periods, are read in class. The lectures illustrate the origins and history of the ballad as developed in English and other literatures, together with a study of various imitations of the genuine ballad.

Dr. Hatcher offers in 1909-10 the following free elective course:

The Elizabethan Age in Non-dramatic Literature.

Two hours a week throughout the year.

The lectures trace the national and foreign influences creating the first great body of English literature, and show the making of vocabulary, critical theories of prose and poetry, and the development of various types of literature,—epic, pastoral, novel, sonnet, and minor lyric and prose forms. The reading involves the best representatives of each of these types and some acquaintance with the critical literature of the period.

Miss Fullerton offers in each year the following free elective course:

Descriptive and Narrative Writing.

Two hours a week throughout the year.

Lectures are given on the theory and practice of description and on the style and methods of the best modern writers of short stories, both English and French. Students are required to write papers each week.

Dr. Crandall offers in each year the following free elective course:

Argumentation.

Two hours a week throughout the year.

In the first semester the technique of argumentation is studied, and in the second semester the relation between the laws of thought emphasised in the first semester and the ordinary forms of prose composition is established.

Miss King offers in 1909-10 and again in 1911-12 the following free elective course:

Imitative Writing.

Two hours a week throughout the year.

This course consists of a study of the formation of style by the method of imitation. The lectures deal with the elements and the psychology of style, and as far as may be necessary, with the authors selected for imitation.

Miss King offers in 1910-11 the following free elective course:
Theory and Practice of Verse Composition.

Two hours a week throughout the year.

This course is not historical but theoretical and practical. The lectures deal with the theory of poetry, the difference between poetry and prose and the laws of verse in English. Students are required to write short exercises in verse every week.

Mr. King offers in 1909-10 and again in 1911-12 the following free elective course in Elocution:

Reading of Shakespeare.

One hour a week throughout the year.

This course is open only to those students who have taken the course in general reading of prose authors. A special study is made of the principles of correct delivery of blank verse. The needs of those students who intend to teach English literature, and desire to read Shakespeare to their pupils, are given special attention.

Mr. King offers in 1910-11 and again in 1912-13 the following free elective course in Elocution:

General Reading of Prose Authors.

One hour a week throughout the year.

This course is open only to those students who have attended the required course in elocution or who have done equivalent work.

German.

The instruction in this department is under the direction of Dr. Karl Detlev Jessen, Associate Professor of German Literature, Dr. Hans Weyhe, Associate in Teutonic Philology and Sanskrit, and Miss Rose Chamberlin, Reader in German.

GRADUATE COURSES.

The graduate courses offered in German philology may be found under the head of General Teutonic Philology.

Graduate work in the history of modern German literature is conducted according to the seminary method. The courses are so varied that they may be followed by graduate students throughout three successive years and cover the work required of students who offer German literature as a major or a minor for the degree of Doctor of Philosophy.

No undergraduates are admitted to graduate courses.

Dr. Jessen conducts in each year the following graduate seminary:

Seminary in German Literature.

Two hours a week throughout the year.

Although the seminary meets only two hours a week throughout the year, the amount of reading required makes the course equivalent to five hours a week. It is hoped that the students will become familiar in these courses with the methods of scientific literary criticism and investigation.

In 1909-10 Goethe as a lyrical poet is studied.

In 1910-11 Goethe's life and works will be the subject of the seminary. Goethe's views on æsthetics and philosophy, translations by and from Goethe, Goethe and romanticism, text criticism applied to selected works, studies of Goethe's style and use of words, and similar subjects will be investigated.

In 1911-12 the Romantic School and the *Volkslied* are studied.

Dr. Jessen offers in 1909-10 the following graduate courses:

Goethe's *Weltanschauung*.

One hour a week during the first semester.

In this course the philosophy of Goethe is studied with a view to its importance in understanding the currents of thought underlying modern German culture. Its unscholastic character gives it special interest. The students are referred to the writings of Wilhelm Bode, Moritz Heynacher, Hermann Siebeck, and others on the subject.

Germanic Antiquities.

One hour a week during the second semester.

This course deals with the study of ethnic conditions and characteristics, the racial and social conditions of the Germanic peoples and the important influences exerted by classical study and the Christian religion. The recent scientific discussions of Comte Gobineau, H. St. Chamberlain, and others have emphasised the importance of the subject. Tacitus's *Germania* will be read with reference to Müllenhoff, *Deutsche Altertumskunde*.

Dr. Jessen offers in 1910-11 the following graduate courses:

German Metrics.

One hour a week during the first semester.

This course consists of lectures on *Deutsche Metrik* or *Verslehre*, with an introduction to phonetics, this being an indispensable *Hilfswissenschaft* for the study of German literature.

German Poetics.

One hour a week during the second semester.

Lectures will be given on *Deutsche Poetik* and *Stilistik*.

Dr. Jessen offers in 1911-12 the following graduate courses:

German Literary Criticism.

One hour a week during the first semester.

The lectures trace the development of literary and æsthetic criticism in Germany from Leibniz to Schiller and Goethe. The course is comparative, and French and English literary criticism are also considered. Lessing's *Laokoön* and *Hamburgische Dramaturgie* and Schiller's essays on æsthetics are specially studied. The course is open to those students only who have a reading knowledge of French and German.

The German Essay.

One hour a week during the second semester.

The history of the essay in German literature is studied and the most eminent German essayists, Schopenhauer, Herman Grimm, Karl Hillebrand, Friedrich Nietzsche, etc., are discussed. The influence of French, English, and American writers, in particular Montaigne, Macaulay, and Emerson, is traced, and incidentally the evolution of modern German prose style is treated.

Dr. Jessen offers in each year, if the time of the department permits, the following graduate course:

Goethe's *Faust*.

Two hours a week throughout the year.

This course is intended to give a detailed introduction to the problems of *Faust-philologie*, dealing with both the first and second part of *Faust*.

Dr. Jessen and Dr. Weyhe conduct in each year the Germanic journal club.

Germanic Journal Club.

Two hours once a fortnight throughout the year.

At the meetings recent books and articles are reviewed and the results of special investigations presented for discussion, comment and criticism.

POST-MAJOR COURSES.

Dr. Jessen offers in 1909-10 and again in 1911-12 the following post-major courses, open to graduate students:

German Literature from 1850 to the present time.

Two hours a week during the first semester.

The subject of this course is, in the first semester, the *Epigonen-Literatur*. The development of the modern German *Novelle* is discussed and Keller's, Storm's, and C. F. Meyer's works are specially studied. A full account of the poets of the *Münchener Schule* is given, in particular of Richard Wagner, Reuter, Groth, Freytag, Spielhagen, Scheffel, Raabe, Geibel, Heyse, and Schack.

German Literature from 1850 to the present time (continued).

Two hours a week during the second semester.

In the second semester among the subjects discussed are the influence of French, Russian, and Scandinavian literatures, especially of the work of Zola and Ibsen on German literature; modern German realism and naturalism as represented by Fontane, Anzengruber, Wildenbruch, Hauptmann, Sudermann, Liliencron, and Rosegger; the increased importance of women in literature, and the work of Marie von Ebner-Eschenbach, Luise von François, Ricarda Huch, Helene Böhlau, Isolde Kurz, Clara Viebig and others; the significance of Nietzsche for German life and literature; neo-romanticism and *Heimatsdichtung*.

Dr. Jessen offers in 1910-11 and again in 1912-13 the following post-major courses, open to graduate students:

Lectures on the History of German Literature from the Romantic School till 1850.

Two hours a week during the first semester.

This course begins with a general study of the principles of philosophy, life, art, and poetry, as represented by the Romantic School, which is followed by lectures on the literary movements, expressed mainly in lyric poetry and in the novel, which supersede the Romantic *Weltanschauung*. The lyrics of the war of liberation, the *Weltschmerz*, and the political revolution; the novel of *Jungdeutschland*; the drama of Heinrich von Kleist; the works of the Schlegels, Tieck, Hölderlin, Jean Paul, Novalis, Uhland, Lenau, Heine, Immermann, Freiligrath, Herwegh, Gutzkow, Mörike, and Gotthelf, are the principal topics discussed.

German Drama in the Nineteenth Century.

Two hours a week during the second semester.

The drama of Heinrich von Kleist is studied with special reference to that of the classical period, and to the dramatic efforts of the Romantics. The place of Grillparzer in German literature is defined, as well as the significance of Grabbe and Raimund.

This leads to Otto Ludwig and to Friedrich Hebbel, who is the central figure, chronologically as well as in importance, of the German drama during the nineteenth century. The course ends with a review of Anzengruber, Wildenbruch, Sudermann, Hauptmann, and of other modern writers.

Dr. Jessen offers in each year the following post-major course, open to graduate students:

Advanced Critical Reading.

One hour a week throughout the year.

The reading is selected from works discussed in the post-major lectures on literature. The students give reports on dramas or novels, the object of the discussion being to trace the characteristics of the author, as shown in his works. Special attention will be paid to the needs of students who intend to teach German.

Dr. Weyhe offers in each year the following post-major course, open to graduate students:

Elementary Middle High German.

One hour a week throughout the year.

This course has been arranged primarily for undergraduate students who wish to be able to read the Middle High German classics in the original. Wright's *Middle High German Primer* (2nd edition, Oxford, 1899) is used.

FREE ELECTIVE COURSE.

Miss Chamberlin offers in each year the following free elective course:

Advanced German Prose Composition and Reading of Modern German.

Two hours a week throughout the year.

Attention is given in this course to the needs of students wishing to make teaching their profession. Each student is required to lecture to the class at least once during the year.

GENERAL TEUTONIC PHILOLOGY.

The instruction in this department is under the direction of Dr. Hans Weyhe, Associate in Teutonic Philology and Sanskrit.

Special attention is called to the facilities for the study of comparative teutonic philology offered by Bryn Mawr College. The English and the German departments together have provided for a complete course in teutonic philology, comprising both the study of the individual languages (Gothic, Norse, Anglo-Saxon, Old Saxon, Old High German, Middle High German, Platt-Deutsch, etc.) and the study of general comparative philology.

The courses in introduction to the study of teutonic philology, Gothic and Middle High German grammar (first-year course), are designed for students in their first year of graduate study in Teutonic languages, and the remaining courses for students in their second or third year.

Students intending to elect Teutonic philology are advised to study Greek for at least one year during their undergraduate course.

GRADUATE COURSES.

Dr. Weyhe offers the following graduate courses:

Introduction to the Study of Teutonic Philology.

One hour a week throughout the year.

These lectures deal with the following topics: a discussion of Teutonic in its relation to the cognate Aryan languages; a brief sketch of the single Teutonic languages, accompanied by an account of the chief grammatical and lexicographic works on each; a discussion of the aim and method of historical and comparative grammar, including problems such as those of the relationship of dialects and the consistency of phonetic laws; a brief history of Teutonic philology, and finally the outlines of general phonetics.

Gothic.

Two hours a week throughout the year.

Gothic phonetics and inflection are studied in connection with the elements of comparative Aryan grammar. Braune's *Gotische Grammatik* (6th ed., Halle, 1905); or Streitberg's *Gotisches Elementarbuch* (2nd ed., Heidelberg, 1906) are used as text-books.

As a thorough knowledge of Gothic is the foundation of the study of historical and comparative Teutonic grammar, every graduate student of Teutonic grammar is advised to take this course as early as possible.

Middle High German Grammar and reading of Middle High German Texts (first-year course).

Two hours a week throughout the year.

This course includes a brief abstract of Middle High German grammar, with special reference to the difference between Middle High German and Modern German, and a study of the most prominent authors in Middle High German. Part of Hartmann's *Armer Heinrich* is read, and is followed by selections from the *Nibelungenlied*, a brief account being given of the "Nibelungenfrage" and of the manuscripts of the *Nibelungenlied*.

Students of Middle High German should be provided with Paul's *Mittelhochd. Grammatik* (6th ed., Halle, 1904), or Michels's *Mittelhochd. Elementarbuch* (Heidelberg, 1900).

For a more complete treatment of the subject T. Wright's *Historical German Grammar* (Vol. 1, Oxford, 1907) is recommended.

This course is required of all students that make German the minor subject in their examination for the degree of Doctor of Philosophy.

The private reading includes the works of the authors treated in the course.

Old High German.

Two hours a week throughout the year.

This course is offered to students acquainted with Gothic and Middle High German, or at least modern German, and includes a practical study of Old High German grammar, and a comparison of the Old High German sounds and forms with those of Middle and Modern High German. Selections are read from Old High German texts, arranged so as to proceed from easy to more difficult pieces, and to illustrate the differences between the Old High German dialects.

Middle High German (second-year course).

One hour a week throughout the year.

This course is intended for students that have followed the first year's course in Middle High German. The first semester is devoted to the *Höfisches Epos* (Veldeke, Wolfram, Gottfried von Strassburg, Rudolf von Ems, Conrad von Würzburg), and the second semester to Minnesangs Frühling and Walther von der Vogelweide.

Old Saxon.

Two hours a week during the second semester.

The work presupposes on the part of the students a sufficient knowledge of Gothic

and Anglo-Saxon. Holthausen's *Altsächsisches Elementarbuch* (Heidelberg, 1899); the *Heliand* (in Sievers's or Heyne's or Behaghel's edition), and Zangemeister-Braune's *Bruchstücke der altsächsischen Bibeldichtung* (Heidelberg, 1894) are used. The reading is supplemented by a discussion of the West Germanic alliterative verse with reference to versification and poetic style in Anglo-Saxon.

Old Norse.

Two hours a week during the second semester.

This course may, by request, be substituted for the course in Old Saxon.

Students entering this course are supposed to be acquainted with Gothic and with Anglo-Saxon or Old High German grammar. In the grammatical part of the course attention is paid to the relation between Gothic and Norse, and to the differences between the East Teutonic and West Teutonic branches. Among the texts read, selections from the younger and the older *Eddas* take a prominent place.

The books used are Sweet's *Icelandic Primer* (Oxford, 1886), or Holthausen's *Altisländisches Elementarbuch* (Weimar, 1895), and Hildebrand's *Edda* (2nd edition, Paderborn, 1904), with Gering's *Glossar* (3rd edition, Paderborn, 1907). For advanced students the reading of one of the larger *Islendinga sögur*, preceded by an introduction to the history of Iceland, may be substituted.

Attention is called to the facilities afforded for the study of Old Norse. A considerable portion of the library of the late philologist, Th. Wisén, of Lund, was acquired by Bryn Mawr College, and hence the library is probably as well supplied as any other college library in the United States with Old Norse texts, Norse periodicals, and works on Old Norse language and literature.

Comparative Teutonic Grammar.

One hour a week throughout the year.

The study of comparative Teutonic philology is recommended to those students only who are acquainted with the single old Teutonic languages, and have studied Gothic, Old High German, Old Saxon, Anglo-Saxon, and Norse. The object of the course is to compare the various old Teutonic languages with each other and with the related Aryan languages,—or in other words (1) to reconstruct the primitive Teutonic language; (2) to point out the characteristic features of primitive Teutonic in distinction from primitive Aryan; (3) to carry down the history of early Teutonic from the period of unity into the early stages of the individual Teutonic languages.

Teutonic Seminary.

One hour a week throughout the year.

This seminary is arranged for the benefit of the most advanced students in Teutonic philology. Its object is to encourage independent work on the part of the students. The exercises consist mainly of the discussion of special topics by the instructor and the students. The subjects for discussion are announced in advance, and the members of the seminary are expected to study the literature on these subjects, and to make an effort to contribute some additional material, or an independent opinion of their own.

In addition to the above courses, others in Old Frisian, Dutch, Middle Low German, or Modern Low German may be arranged for students that have previously studied Gothic, Old and Middle High German, Anglo-Saxon, and Old Saxon.

ROMANCE LANGUAGES.

French.

The instruction in this department is under the direction of Dr. Albert Schinz, Associate Professor of French Literature, Dr. Richard Thayer Holbrook, Associate Professor of French Philology and Italian, Mr. Frederick A. Blossom, Lecturer in French, and Dr. Clara Leonora Nicolay, Reader in Elementary French.

GRADUATE COURSES.

There are offered each year three distinct graduate courses in French, two in literature and one in language, and these courses are varied so that they may be followed by the graduate student throughout three years.

Graduate students interested in the study of literature will find it to their advantage to attend the lectures on French literature two hours a week throughout the two years of the major course in French.

No undergraduates are admitted to graduate courses.

Dr. Schinz conducts in each year the following graduate seminary:

Seminary in French Literature.

Three hours a week throughout the year.

In 1909-10 and again in 1911-12 the subject of the seminary is Victor Hugo. The seminary deals with his lyrical works. The following subjects are treated: Victor Hugo as a Royalist and Catholic poet; his indebtedness to Chateaubriand, Sainte-Beuve, Nodier and other contemporaries; his attitude towards Napoleon I, the Republic of 1848 and Napoleon III.; and his social, political and religious ideas in the period of his maturity and of his old age.

In 1910-11 Rousseau is the subject of the seminary. In the first semester, after a discussion of his life, a study is made of the *Confessions*, *Rêveries*, and *Correspondance*. Special attention is paid to the controversy *Confessions* versus *Mémoires d'Epénay*, as transformed by the discoveries of Mrs. MacDonald. The questions of Rousseau's insanity and suicide are discussed. The second semester is devoted chiefly to the study of Texte's *Jean Jacques Rousseau et le cosmopolitisme littéraire*. The *Lettre à d'Alembert* and the *Nouvelle Héloïse* will serve as a text to this theory.

In 1912-13 the subject of the seminary will be Montaigne. Various problems connected with his life, his relations to Protestantism and to the political problems of his time, the question of the authorship of the *Discours sur la servitude volontaire*, the origin and sources of the essays, Montaigne and the Renaissance, and Montaigne and Plutarch will be discussed. A special study will be made of Montaigne's style and of the *Apologie de Raymond de Sebonde*.

Mr. Blossom conducts in each year the following graduate seminary:

Seminary in French Language and Literature.

Two hours a week throughout the year.

In 1910-11 the work of the seminary is an analytical study of the modern French language. Questions of syntax, style and vocabulary are discussed with a view to acquiring a thorough command of the idiomatic language. In 1913-14 the seminary in Molière will be substituted for the above. The subjects studied will be: French Comedy before Molière, Molière's comedies, their Latin, Italian, and French sources, his style and method of composition, the nature of his "comique," his philosophy and his morality are discussed.

In 1911-12 the subject of the seminary is *La 'Matière de Bretagne' et l'épopée courtoise*. The course includes a careful study of the *Lais* of Marie de France, the poems referring to Tristan, and the *Romans* of Chrétien de Troie; these are studied in connection with the question of their origin in Celtic countries and their later development in France. The different theories that have been proposed as to their origin and evolution are examined and discussed and an attempt is made to determine their comparative value.

The subject of the seminary in 1912-13 is Ronsard and the *Pléiade*, the object being to determine the origin, the extent, and the success of the Renaissance move-

ment in France. The chief works of Ronsard and his successors, especially Du Bellay and Baif, will be read and discussed.

The course in Old French Philology is intended for students in their first year of graduate study; that in Provençal and the Old French Seminary for students in their second or third year of graduate study; the Journal Club may be attended by students in their first, second, or third year of graduate study. The course in Old French Readings is designed to be taken in connection with the seminary in Old French.

Dr. Holbrook offers in each year the following graduate courses:

Old French Philology.

Three hours a week throughout the year.

This course consists of lectures on the phonology, morphology, and syntax of Old French, and is designed not only for students whose main pursuit is Romance philology, but also for those who wish to acquire more precise knowledge of the French elements in Middle English. The main principles of Historical Grammar are studied in the *Extraits de la Chanson de Roland*, published by Gaston Paris, and in various texts in L. Constans's *Chrestomathie*. Other books used are Passy's *Sounds of the French Language*, Grandgent's *Introduction to Vulgar Latin*, Nyrop's *Grammaire Historique de l'Ancien Français*, and Schwan's *Grammaire de l'Ancien Français*.

Old French Readings.

Two hours a week throughout the year.

Various typical Old French masterpieces are studied from a scientific standpoint. The essential facts of Old French grammar are reviewed and rare or difficult locutions are minutely examined for the sake of precise interpretation; dialectal features are considered and attention is given to the relation of manuscripts to printed texts. In addition to the works named below, students are expected to supply themselves with Gaston Paris's *Littérature française au moyen âge*.

The following courses may be rearranged to suit the needs of students in any particular year.

In 1909-10 and again in 1911-12 epic and historical literature is the subject of the course. The texts required are Stengel's edition of the *Chanson de Roland* (Leipsic, 1900); the *Pèlerinage de Charlemagne* (ed. by Koschwitz, Leipsic, 1900), and the *Extraits des Chroniqueurs Français* (Villehardouin, Joinville, Froissart, Commines), ed. by G. Paris and A. Jeanroy, Paris, 1893.

In 1910-11 dramatic literature will be studied. Various mysteries and miracle plays will be examined; but the course will deal mainly with purely mediæval comedy (ca. 1260--ca. 1530). The texts used are Adam de la Hale's *Jeu de la feuvillée* (edition of Rambeau, Marburg, 1886, and of Langlois, Paris, 1895); Paul Lacroix's *Recueil* (Paris, 1859), and the facsimile of Guillaume Le Roy's *Patelin* (1486?), printed for the Société des textes Français modernes.

Old French Seminary.

Two hours a week throughout the year.

The work of the seminary is on the most important Old French dialects. Texts in Norman, Picard, Francian and Franco-Provençal are studied with reference to their dialectal features in order that the student may acquire the power to determine approximately the origin of other texts in which the same dialectal features occur.

Old Provençal.

Two hours a week throughout the year.

This course is intended for students of Old French who wish to begin the study of the language and literature of the Troubadours. The books required are Grandgent's *Outline of the Phonology and Morphology of Old Provençal* (Boston, 1905) and Appel's *Provenzalische Chrestomathie* (latest edition).

Dr. DeHaan, Dr. Schinz, Dr. Holbrook and Mr. Blossom, together conduct the journal club in Romance languages.

Romance Languages Journal Club.

One and a half hours a fortnight throughout the year.

The journal club is intended to make the advanced students familiar with all the important European periodicals and with new books dealing with Romance Philology. For each session of the club an important article chosen from some one of the various periodicals is assigned to a student for review. The student is also referred to previous articles or publications treating of the same subject as that of the review, and is expected to present to the club a chronological outline of the history and stages of the discussion on the given point. Thus the students become familiar with the names of leading Romance scholars and with the particular lines of research in which each of the latter excels. At the same time such reviews prepare the way for seminary work and original investigations.

POST-MAJOR COURSES.

Dr. Schinz offers in 1909-10 and again in 1911-12 the following post-major course, open to graduate students:

The Short Story (*Nouvelle*) in the Nineteenth Century.

Two hours a week throughout the year

The *genre nouvelle* is studied in connection with the following writers: Xavier de Maistre, Chateaubriand, Nodier, de Vigny, de Musset, Balzac, Mérimée, Gautier, Laboulaye, Daudet, Bourget, Maupassant, France, Bazin, Rod, Coppée, Loti, Villiers de l'Isle Adam, de Rénier, and others. In 1909-10 this course was given one hour a week throughout the year.

Dr. Schinz offers in 1910-11 and again in 1912-13 the following post-major course, open to graduate students:

French Lyric Poetry of the Nineteenth Century.

Two hours a week throughout the year.

In the first semester the lectures treat lyric poetry until the year 1866. Special attention is paid to the period from 1850 to 1866, while Lamartine, Hugo, Sainte-Beuve, de Vigny, and de Musset are treated only so far as is necessary for the understanding of the evolution of lyric poetry in their successors, Baudelaire, Gautier, de Banville, Leconte de Lisle, etc. The lectures of the second semester treat contemporary lyric poetry from 1866 to 1900. A careful study is made of the Parnassian and Symbolist schools.

Mr. Blossom offers in each year the following post-major course, open to graduate students:

Teachers' Course in Advanced French. *One hour a week throughout the year.*

This course is especially intended to give students the practical knowledge of French required for teaching the language. A correct pronunciation is taught by means of a study of French phonetics, of the comparative value of sounds, of the tonic and oratorical accents, and of the rhythmical language. Classical texts are analysed as a preparation for exercises in composition and lectures on the principles of French rhetoric will be given.

Mr. Blossom offers in 1909-10 the following post-major course, open to graduate students:

The Evolution of the French Novel. *Two hours a week throughout the year.*

In this course the development of the novel is studied from its rise with *Astrée* through the seventeenth and eighteenth centuries to the end of the romantic period. Students are required to read and report on representative novels of each epoch.

Mr. Blossom offers in 1910-11 the following post-major course, open to graduate students:

French Lyric Poetry to the End of the Eighteenth Century.

One hour a week throughout the year.

After a study of the principles of French versification, the history of lyric poetry in France is studied from its origin to the end of the eighteenth century, particular attention being paid to the works of Rutebeuf, Charles d'Orléans, Villon, Marot, and Ronsard.

Mr. Blossom offers in 1911-12 the following post-major course, open to graduate students:

The Romantic Drama of the nineteenth century.

Two hours a week throughout the year.

The lectures deal with the origin and development of the romantic drama in the works of Victor Hugo, Alexandre Dumas père, Alfred de Vigny, and Alfred de Musset. Its renaissance in the latter part of the century in Richepin and Edmond Rostand is then discussed.

Mr. Blossom offers in 1912-13 the following post-major course, open to graduate students:

Origin, development, and decline of realistic comedy.

Two hours a week throughout the year.

The lectures treat of the origin of realistic comedy in Beaumarchais; its period of highest development in Augier, Dumas fils, Pailleron, and Sardou; its decline, the *comédie naturaliste*; new systems and new writers, Jules Lemaître and Edmond Rostand.

Italian.

The instruction in this department is under the direction of Dr. Richard Thayer Holbrook, Associate Professor of French Philology and Italian.

GRADUATE COURSES.

Dr. Holbrook offers in each year the following graduate courses:

Italian Philology.

One hour a week throughout the year.

This course presupposes a knowledge of Old French Philology and the equivalent of the minor and major courses in Italian offered at Bryn Mawr College. The work is founded upon the treatise entitled *Die Italienische Sprache* by D'Ovidio and Meyer Lübke in Gröber's *Grundriss* (Strassburg, 1906). Various passages from thirteenth and fourteenth century authors are examined critically from a phonological and morphological point of view.

Old Italian Readings.

One hour a week throughout the year.

Students should provide themselves with the first volume of D'Ancona and Bacci's *Manuale della Letteratura Italiana* (Florence, 1904).

Dr. DeHaan, Dr. Schinz, Dr. Holbrook and Mr. Blossom together conduct the journal club in Romance languages.

Romance Languages Journal Club.

One and a half hours a fortnight throughout the year.

Dr. Holbrook offers in each year the following undergraduate courses, open to graduate students:

FIRST YEAR.

Modern Italian.

Three hours a week throughout the year.

This course is designed to prepare beginners for the study of Italian literature, as well as for the practical use of the language. Reading is taken up from the start, a careful pronunciation is insisted upon, and the essentials of the grammar are taught by a critical observation of the texts used and by graded exercises in the rendering of English into Italian. The books used are the following: C. H. Grandgent's *Italian Grammar*; Bowen's *Italian Reader* and Hecker's *Il Piccolo Italiano*; Giuseppe Finzi's *Petrarca* (1900); De Marchi's *Storie*; selections from the verse and prose of Renato Fucini and others.

Representative Italian Classics in English Translations

Two hours a week throughout the year.

This course deals with typical masterpieces of Italian literature from Dante to Cellini. The author's life, character, and surroundings, his place in literary history, and his translators are discussed.

The works studied are as follows: *Dante and his Circle* (for early lyrics), *Vita Nuova*, most of the *Inferno*, parts of the *Purgatorio* and *Paradiso*; Boccaccio, *Life of Dante* and several tales translated by John Payne and J. M. Rigg; Petrarch, selected *Letters*, *Sonnets* and *Triumphs*; Ariosto, *Orlando Furioso*; Tasso, *Jerusalem Delivered*; Castiglione, *The Courtier*; Cellini, *Life*. Knowledge of Italian is not required.

SECOND YEAR.

Italian Classical Literature.

Three hours a week throughout the year.

The work in this course is to translate most of the *Inferno* and parts of the *Purgatorio* and *Paradiso*; then selections from Ariosto and Tasso. For these two the study of difficult modern prose and poetry may be substituted, with exercises in writing and speaking. Training in pronunciation will be given throughout the course. The lectures on literature are delivered in Italian.

Spanish.

The instruction in this department is under the direction of Dr. Fonger DeHaan, Professor of Spanish.

GRADUATE COURSES.

Dr. DeHaan offers in each year the following graduate courses:

Lectures in Spanish on Spanish Literary History till the death of Calderon (1681).

One hour a week throughout the year.

The lectures are supplemented by extensive private reading of important works.

Essays in Spanish.

Two hours a week throughout the year.

Spanish Philology.

One hour a week throughout the year.

Old Spanish Readings.

One hour a week throughout the year.

Dr. DeHaan, Dr. Schinz, Dr. Holbrook and Mr. Blossom together conduct the journal club in Romance languages.

Romance Languages Journal Club.

One and a half hours a fortnight throughout the year.

POST-MAJOR COURSES.

Dr. DeHaan offers in each year the following post-major course, open to graduate students:

Spanish.

Two hours a week throughout the year.

This course in composition and conversation is offered to those students who have completed the major course.

Dr. DeHaan offers in each year the following undergraduate courses, open to graduate students:

FIRST YEAR.

Spanish.

Five hours a week throughout the year.

The object of this course is to give beginners a good knowledge of modern Spanish, and to ground them thoroughly in the essentials of the grammar. As a preparation for understanding the spoken language, two half-hours a week during the second semester are devoted to dictation. The books studied are the following (taken up in the order indicated): DeHaan's *Cuentos Modernos*; Pérez Nieva, *Tomás el torrero* (Madrid, *Colección Klong*); De Haan's *Selected Works of G. A. Béquér*; Hartzenbusch, *Los Amantes de Teruel* (*Obras*, vol. III.); Zorrilla, *Granada* (Madrid, 1895, 2 vols.).

Private reading: Palacio Valdés, *José*; Galdós, *Marianela*.

SECOND YEAR.

Lectures in Spanish on Spanish Literary History of the Nineteenth Century.

Two hours a week throughout the year.

Spanish Composition.

One hour a week throughout the year.

Critical Reading in Spanish.

Two hours a week throughout the year.

Private reading: Private reading supplementing the lectures on literary history comprises representative works in the various branches of literature.

SEMITIC LANGUAGES AND BIBLICAL LITERATURE.

The instruction in this department is under the direction of Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages, and Miss Maud Downing, Reader in Semitic Languages.

The college was particularly fortunate in securing in the year 1892 the library of the late M. Arthur Amiaud, of Paris. While M. Amiaud was especially eminent as an Assyriologist, he was also prominent as a general Semitic student. His library was

the collection of an active scholar, and forms a working library for the student in every department of Semitic study. It is especially rich in the Hebrew, Syriac, and Assyrian languages, containing several works, indispensable to the student, which are now out of print. Another Semitic library containing many works on the Talmud and on Jewish literature was acquired in 1904. Mr. Albert J. Edmunds presented to the college in 1907 his library of 200 volumes on the history of religion. The contents of these libraries, together with the books already owned by the college and those easily accessible in neighboring libraries, form an exceptionally good collection of material for the specialist in Semitic languages. A good working collection of cuneiform tablets is under the control of the department, and affords an excellent opportunity for students of Assyrian to become familiar with original documents.

GRADUATE COURSES.

The graduate courses in Semitic languages are varied from year to year, as indicated below, so that they may be pursued by a student for four successive years. Those who offer Semitic languages as the major subject in the examination for the degree of Doctor of Philosophy are required to spend in Semitic work half their time for at least three years.

The work of the department is so arranged that students may specialise in Hebrew or Assyrian. Students who offer Hebrew or Assyrian as the major subject in the examination for the degree of Doctor of Philosophy must possess a knowledge of the grammatical forms of five Semitic languages and in this enumeration Syriac and Jewish Aramaic may not count as separate languages. Students that offer Semitic languages as the minor subject in the examination for the degree of Doctor of Philosophy must show that they have a knowledge of three Semitic languages.

The regular alternation of courses is indicated below and at least five hours a week will be given in each year, the courses being selected according to the needs of the graduate students. Graduate students may enter in any year of the four years' course, as there will be afforded each year an opportunity for graduate students to begin Hebrew.

No undergraduates are admitted to graduate courses.

Dr. Barton offers in 1909-10 the following graduate courses:

Assyrian Seminary.

One hour a week throughout the year.

The work of the seminary consists of a critical study of Sumerian texts.

Hebrew Seminary.

One hour a week throughout the year.

The Psalter and the book of Job, Canticles, Ecclesiastes or one of the historical or prophetic books is discussed.

Aramaic Seminary.*One hour a week throughout the year.*

One hour of the course is devoted to Jewish Aramaic including a study of the Talmud and Aramaic inscriptions. The remaining hour is spent on Syriac and the Sinai gospels and the poetry of Ephraim are studied.

Comparative Semitic Grammar.*One hour a week throughout the year.*

The course is devoted to Semitic phonetics and grammatical forms with a comparison of old Hamitic. In connection with the work selected Egyptian texts are read, to supply the student with Hamitic linguistic material. The first semester is devoted to phonetic material and its laws, the second to the pronoun and the verb.

Ethiopic.*One hour a week throughout the year.*

The grammar and *Chrestomathia* of Praetorius and Dillmann are used, and in the latter part of the course selections are read from the book of Enoch.

Seminary in Arabic Literature.*One hour a week throughout the year.*

The work of the seminary is a study of the pre-Islamic poets, the Coran, and the traditions.

Dr. Barton offers in 1910-11 the following graduate courses:

Semitic Seminary.*Two hours a week throughout the year.*

This seminary is devoted to Hebrew or Assyrian, the languages that may be offered as major subjects for the doctor's degree. The time may be devoted to one of these languages, or may be divided between the two, according to the needs of the students. In Assyrian the subject may be chosen from one of the following: the oldest Babylonian inscriptions, temple archives of Telloh, Sumerian hymns, the code of Hammurabi, or mythological poetry. In Hebrew, one of the following subjects may be selected: Job, the Psalter, Isaiah, Jeremiah, Ecclesiastes and the Song of Songs, or Hebrew Epigraphy. In the Hebrew seminary the students are trained in textual criticism through the use of the ancient versions.

Elementary Semitic Languages.*Two hours a week throughout the year.*

This course may be devoted to the elements of Hebrew, or of Aramaic (Syriac and Jewish Aramaic), or Assyrian, or Arabic according to the needs of the students. The time may, if necessary, be divided between two of these languages.

Hebrew, The Prophets.*One hour a week throughout the year.*

The text of one or more of the Prophets is critically interpreted, and Hebrew syntax and composition are studied.

Hebrew Literature.*Two hours a week throughout the year.*

This course is devoted to a study of the Prophets, the Pentateuch, and the historical books of the Old Testament.

Ethiopic.*One hour a week throughout the year.*

This course is a continuation of that given in 1909-10.

Dr. Barton offers in 1911-12 the following graduate courses:

Semitic Seminary.*Two hours a week throughout the year.*

The work of the seminary is continued as given in 1910-11.

Seminary in Aramaic and Arabic.*Two hours a week throughout the year.*

This seminary is devoted to Arabic or Aramaic, the languages that may be offered as minor subjects for the doctor's degree. The time may be devoted to one of the languages, or may be divided between the two, according to the needs of the students. In Arabic the subject may be chosen from one of the following: the Coran, pre-Islamic poetry, Arabic geographers, or South Arabic inscriptions. In Aramaic, one of the

following subjects may be selected: a comparative study of the Syriac Versions of the Gospels, the Syriac Version of one of the Old Testament books, the writings of Gregory Bar Hebraeus, or of Efraem, the Targum or one of the Old Testament books, the Talmud, or Aramaic inscriptions.

Comparative Semitic Grammar. *One hour a week throughout the year.*

The grammar of Brockelmann is used as a basis with comparisons from the Egyptian and other Hamitic languages.

Egyptian. *One hour a week throughout the year.*

The elements of Egyptian and Coptic grammar are taught, and some texts in each language interpreted.

Seminary in New Testament Greek. *One hour a week throughout the year.*

A thorough study is made of some book of the New Testament, and the students are guided in critical studies, both textual and historical.

Miss Downing offers in 1909-10 the following graduate courses:

Elementary Aramaic. *One hour a week throughout the year.*

Elementary Arabic. *Two hours a week throughout the year.*

This course consists of a study of the elements of the language, the interpretation of selections from Brünnow's *Chrestomathia* and from the *Thousand and One Nights*, together with Arabic prose composition.

FREE ELECTIVE COURSES.

The courses in Biblical Literature and Oriental History are intended primarily for undergraduate students, but may be elected by graduate students also.

Dr. Barton offers in 1909-10 and again in 1911-12 the following free elective courses in Biblical literature:

New Testament Biography. *Two hours a week throughout the year.*

The first semester of this course is devoted to a careful study of the life and teaching of Christ; the second semester to the life and teaching of St. Paul. The Gospels and Epistles are read, together with the most helpful of the modern works on these topics. The course is illustrated by photographs of the most important places connected with the lives of Christ and St. Paul.

History of the Old Testament Canon. *One hour a week throughout the year.*

In this course the history of the composition and collection of the books of the Old Testament is studied. The instruction is given in lectures, and reading is assigned in the Old Testament and in modern literature concerning it.

Dr. Barton offers in 1910-11 and again in 1912-13 the following free elective courses in Biblical literature:

History of Christian Doctrine. *Two hours a week throughout the year.*

In the first semester Christianity is studied as presented by its Founder and by the apostles, and in the second semester the history of Christian doctrine from 100 A. D. to the present time is briefly reviewed, and problems presented by modern thought are touched upon.

History of the New Testament Canon. *One hour a week throughout the year.*

This course consists of a study of the New Testament, similar in its methods and aims to the course on the Old Testament Canon.

Dr. Barton offers in each year the following free elective course:

Oriental History.

Five hours a week throughout the year.

This course treats in broad outlines the history and civilisation of the Classical Orient. The beginnings of the Hamito-Semitic race, and the influence of environment upon its primitive institutions are first studied. The separation of the races into the different nations is then traced, and the history of the principal Oriental nations, Egyptians, Babylonians, Assyrians, Phœnicians, Hebrews, Hittites, Sabæans, and Persians; of Alexander and his successors; of the Parthians, and the oriental empire of the Romans. is followed in outline. Special attention is paid to the history of the Hebrews, and to their unique religious contribution to the civilisation of the world. The course concludes with a study of the Arabic caliphates, and of Mohammedan civilisation. The lectures are illustrated by archæological specimens and by photographs. Either semester may be elected separately.

Dr. Barton offers in each year, when the time of the department permits, the following free elective courses:

Biblical Geography and Archæology. *Two hours a week throughout the year.*

The course begins with a survey of the physical features of Palestine and an estimate of their effect upon its civilisation. The succession of races dominant in Palestine since the beginning of history is then reviewed, after which the positions of the places important in the Biblical narratives are carefully noted. The principal Biblical narratives are studied in connection with the geography of the country and the archæological remains of the period. In this way the narratives of the Patriarchs, Kings, Prophets, and Apostles, as well as the life of Christ, are illustrated. The course is illustrated by photographs. Use is made throughout the course of the publications of the Palestine Exploration Fund, and of other modern explorers.

New Testament Greek.

Two hours a week throughout the year.

This course presupposes a knowledge of classical Greek. After some introductory lectures on the formation and peculiarities of the New Testament Greek, one hour a week during the first semester is devoted to lectures on the history of the New Testament text, both in its written and in its printed form, the helps extant for emending it, and the method of using them. The remainder of the time is devoted to the interpretation of the New Testament Epistles, especially those of Paul. The students are expected to read privately during the first semester the text of one of the Gospels, and during the second, either the *Acts of the Apostles*, the *Apocalypse*, or the *Epistle to the Hebrews*.

History.

The instruction in this department is under the direction of Dr. William Henry Allison, Associate in History, and Dr. William Roy Smith, Associate Professor of History.

GRADUATE COURSES.

Two distinct seminary courses in English history and in American history are offered to graduate students in history in addition to a course in Historical Method and Criticism and the direction of private reading and original research.

No undergraduates are admitted to graduate courses

Dr. Allison conducts in each year the following graduate seminary:

Seminary in English History.

Three hours a week throughout the year.

In 1909-10 the subject of the seminary is special privileges in England, 1559 to 1660. The social, political, and economic conditions in England in the period from the accession of Elizabeth to the Restoration are investigated for the purpose of discovering the special privileges enjoyed by particular classes, local groups or individuals. The origin and nature of some of these are further studied with their general and specific effects as discernible in English history. In part it is a study of feudal survivals, in part a study of post-Reformation developments.

In 1910-11 seventeenth century English Puritanism will be the subject of the seminary. Problems in the historical development of Puritanism will be assigned to the students for investigation and some of the typical writings examined. Each student will make a special study of one particular Puritan of the period.

In 1911-12 genetic studies in the reform period of English history, 1815 to 1845, will be the subject of the seminary. The reform movements which sought legislative support in Parliament will be discussed and an attempt will be made to discover the various forces, especially the organized forces, favoring or opposing these movements.

Dr. Allison offers in each year the following graduate course:

Historical Method and Criticism.

Two hours once a fortnight throughout the year.

The questions dealt with in this course are the scope of historical work and its relations to allied subjects; the outlines of historical bibliography; the great collections of printed material; archives and MSS.; editing, criticism, and evidence.

Dr. Smith conducts in each year the following graduate seminary:

Seminary in American History.

Three hours a week throughout the year.

In 1909-10 the revolution, the confederation and the constitution are the subjects of study. American history from 1776 to 1789 is discussed primarily from the local point of view as a step in the conflict between the seaboard aristocracy and the democracy of the frontier. The social and economic forces which led to the adoption of the Federal Constitution and the subsequent formation of national political parties are investigated.

In 1910-11 the American colonies in the seventeenth and eighteenth centuries will be the subject of the seminary. The political, constitutional, and social problems of the colonies in the seventeenth century will be studied in the first semester. In the second semester, special stress is laid upon the development in the eighteenth century of the imperial administrative machinery and upon the ethnical distribution of population in the colonies.

In 1911-12 the subject of the seminary will be slavery and the negro problem. After a preliminary survey of the history of slavery in the colonial period such topics as the slavery compromises of the constitution, the growth of slavery in the South, the abolition of the slave trade, the Missouri Compromise, the anti-Slavery movement, nullification, the Mexican War, the Wilmot Proviso, the compromise measures of 1850, the Kansas-Nebraska bill, the Dred Scott decision, the abolition of slavery, and the adoption of the thirteenth, fourteenth, and fifteenth amendments are discussed. Special attention is paid to the conflict between sectionalism and nationalism and to the connection between slavery, territorial expansion, and the development of constitutional theories.

Dr. Smith and Dr. Allison conduct in each year the historical journal club:

Historical Journal Club.

Two hours once a fortnight throughout the year.

The instructors in the department of history and the graduate students who are pursuing advanced courses in history meet once a fortnight to make reports upon assigned topics, review recent articles and books, and present the results of special investigations.

POST-MAJOR COURSES.

Dr. Allison offers in 1909-10 and again in 1911-12 the following post-major courses, open to graduate students:

The Reform Period of English History, 1815-1845.

Two hours a week during the first semester.

Beginning with a brief survey of conditions at the close of the Napoleonic period, the various liberalising and reform movements will be considered both in their internal developments and in their reactions upon English life. Among the movements considered will be Catholic emancipation, parliamentary reform, philanthropic enterprise, the Chartist agitation, the repeal of the corn laws.

British Imperialism.

Two hours a week during the second semester.

This course will study the causes of British expansion and its directions, the events in colonial history important in their reaction upon English politics, and especially the history of the British imperial system.

Dr. Allison offers in 1910-11 and again in 1912-13 the following post-major courses, open to graduate students:

England in the Tudor Period.

Two hours a week during the first semester.

This course consists of a survey of English history during the reigns of the five Tudor sovereigns, noting particularly the significance of the period for the constitutional, political, social, and religious development of England.

England in the Stuart Period.

Two hours a week during the second semester.

This course follows the same general lines as the course on the Tudor period.

Dr. Smith offers in 1909-10 and again in 1911-12 the following post-major course, open to graduate students:

American Constitutional History to 1789.

Three hours a week throughout the year.

The text-books used in the course are MacDonald's *Select Charters of American History* and *Select Documents of the History of the United States*. The members of the class are also systematically referred, not only to the general authorities, but also to colonial charters and constitutions, the records of the colonial governments as far as they are available, the journals of Congress, and other documentary materials.

Dr. Smith offers in 1910-11 and again in 1912-13 the following post-major course, open to graduate students:

American Constitutional History, from 1789 to the present time.

Three hours a week throughout the year.

The lectures deal with the leading aspects of the political, constitutional, and economic history of the United States from the ratification of the constitution to the present time. The text-books used are MacDonald's *Select Documents of the History of the United*

States and Select Statutes of United States History, but frequent additional references are given to the leading secondary authorities. To a limited extent use will be made of such documents as are available in the library, and special topics will be assigned for discussion and report.

Economics and Politics.

The instruction in this department is under the direction of Dr. Charles Clarence Williamson, Associate in Economics and Politics, and Dr. Marion Parris, Associate in Economics and Politics.

GRADUATE COURSES.

In addition to the post-major courses, which may be elected by graduate students, six hours of graduate lectures and seminary work are offered in each year.

No undergraduates are admitted to graduate courses.

Dr. Williamson offers in each year the following graduate seminary:

Economic Seminary.

Three hours a week throughout the year.

In 1909-10 labor problems are studied in the seminary. The rise of the problems is traced, the history and functions of labor organisations are discussed and considerable attention is paid to the principles of labor legislation.

In 1910-11 various important social and economic problems caused by the growth of monopolies will be studied. The aim is to develop general principles upon which a democratic state should proceed in an effort to subject its railroads, trusts, and other more or less non-competitive industries to a wise social control.

In 1911-12 the seminary will make a study of the history and theories of socialism, the purpose being to trace the origin and development of current socialistic doctrines and movements and to examine carefully the arguments for and against socialism in order to reach some conclusion as to the possibility or practicability of making socialistic theories a basis for economic and social reforms.

Dr. Parris offers in each year the following graduate seminary:

Economic Seminary.

Two hours a week throughout the year.

In 1909-10 the subject of the seminary is a critical study of modern theories of value. A short historical introduction serves as a review of the principal economic theories of value in the English and German schools.

In 1910-11 the modern German theory of value is the subject of the seminary. The main object of the seminary is to define certain psychological and philosophical positions. The works of Ehrenfels, Meinong, Kraus, Kreibig, and Chuel are studied and criticised.

In 1911-12 the theories of capital and interest of modern German, Italian, and American economists will be studied and critically compared.

Dr. Williamson and Dr. Parris conduct in each year the economic journal club:

Economic Journal Club.

Two hours once a fortnight throughout the year.

At the meetings recent books and articles are reviewed and the results of special investigations presented for discussion, comment, and criticism.

POST-MAJOR COURSES.

Dr. Williamson offers in 1909-10 and again in 1911-12 the following post-major course, open to graduate students:

Industrial Problems.

Three hours a week throughout the year.

The lectures of this course deal with certain economic problems which involve political action. Among the more important subjects taken up are the following: problems of money and banking; the commercial policy of the principal countries, with special reference to the tariff situation in the United States; the rise of the transportation problem and a comparison of the methods of government control in use in various countries; industrial combinations, their development and their relation to the state. Typical combinations are studied and the results of anti-trust legislation examined. The aim is to put before the student the significant facts of our commercial and industrial development, accompanied by an economic analysis of the problems created and a discussion of the political factors to be reckoned with in their solution.

Dr. Williamson offers in 1910-11 and again in 1912-13 the following post-major course, open to graduate students:

Public Economy.

Two hours a week throughout the year.

This course begins with a discussion of the nature of the public economy and its relation to private economics. An examination of theories of the economic activity of the modern state is followed by a discussion of public expenditure, its objects, its growth in modern democratic societies, and its social and industrial effects. Problems of public health, care of the dependent classes, the economic burden of war and the preparation for war, state forestry and the general problem of the conservation of natural resources, are discussed in this connection. The tax system in American states and cities, together with the general principles of taxation, are discussed fully. Attention is also called to the nature and significance of the non-tax revenues. The course concludes with a brief study of state and local budgets and public debts.

Dr. Parris offers in 1909-10 the following post-major course, open to graduate students:

Theoretical Sociology.

Two hours a week throughout the year.

The first semester's work is a history of sociological theory. The students read selections from Auguste Comte, Herbert Spencer, Professor Giddings, and others. In the second semester the various social problems confronting the modern state are considered, such as the congestion of population, housing and transportation problems in American and Continental cities, immigration and race problems in America, the standard of living among various economic groups, etc.

The lectures are supplemented by written reports on specially assigned reading and by written and oral quizzes.

Dr. Parris offers in 1910-11 and again in 1912-13 the following post-major course, open to graduate students:

Utilitarian Theory in Economics.

Three hours a week throughout the year.

The object of this course is to study the influence of utilitarian ethical theory in shaping the thought of the English classical school. Hume, Paley, Bentham, Adam Smith, James Mill, Ricardo, Malthus and J. S. Mill are read critically. The lectures are supplemented by written reports on specially assigned reading and by oral and written quizzes.

Dr. Parris offers in 1911-12 the following post-major course, open to graduate students:

Sociology and the Social Institutions. *Two hours a week throughout the year.*

This course is designed to introduce the students to the problems of modern sociology. The first semesters' work will be a review of the literature of sociology. The students will read selections from the works of Comte, Spencer, Giddings, Ratzenhofer, Small, and others. In the second semester the genesis and history of the social institutions will be studied; the family, church, state, the institution of private property, corrective and preventive institutions, etc. The lectures are supplemented by written reports and specially assigned reading, and by written and oral quizzes.

FREE ELECTIVE COURSES.

Dr. Parris offers in 1909-10 and again in 1911-12 the following free elective course, open to graduate students:

Methods of Social Research. *Two hours a week throughout the year.*

The course begins with a brief account of modern institutions for social research and social reform. Various methods of social research will then be studied and reports required on special problems in social statistics, and the collection and graphical representation of material. Booth's *Life and Labour in London*, Bailey's *Modern Social Conditions* and Henderson's *Modern Methods of Charity* will be used as text-books. The course is open only to those students who have attended the minor course in economics and politics.

Dr. Williamson offers in 1910-11 the following free elective course, open to graduate students:

Municipal Problems. *Two hours a week throughout the year.*

This course consists of a general survey of the more important social, political, and economic problems of American cities. The chief topics treated are, the growth of urban population with its economic and political results, political parties in municipal government, civil service reform, the municipal functions such as police and fire protection, police courts, sanitation and public health, education, institutions of public charity and correction, playgrounds, parks, city planning, and the liquor traffic. The policy of municipal ownership of public utilities will be examined in its various aspects. The course is open only to those students who have attended the minor course in Economics and Politics.

Philosophy.

The instruction in this department is under the direction of Dr. Theodore de Leo de Laguna, Associate Professor of Philosophy, Dr. James H. Leuba, Professor of Psychology and Education and Director of the Psychological Laboratory, Dr. M. Phillips Mason, Associate in Philosophy, Dr. Clarence Errol Ferree, Associate in Psychology, and Miss Marion Reilly, Reader in Philosophy.

GRADUATE COURSES.

In addition to the post-major courses, which may be elected by graduate students, ten hours of graduate lectures and seminary work are offered in

each year. The laboratory of experimental psychology is open to graduate students for research work.

No undergraduates are admitted to graduate courses.

Dr. de Laguna conducts in each year the following graduate seminary:

Ethical Seminary.

Three hours a week throughout the year.

The subject of the seminary is either a study of one of the chief problems of ethics or a critical examination of some important movement of thought.

In 1909-10 Hume and his contemporaries are studied. A brief preliminary survey is made of the course of English ethical thought from Hobbes to Shaftesbury. This is followed by a more careful examination of selected writings of Mandeville, Butler, and Hutcheson, with a view to tracing their probable influence upon Hume. Finally, the principal task of the year is a comparative study of the ethical doctrines of Hume's *Treatise on Human Nature* and *Enquiry into the Principles of Morals*, with incidental reference to Hartley and Adam Smith.

In 1910-11, the subject will be English evolutionary ethics, as exemplified in the writings of Darwin, Clifford, Spencer, Stephen, Alexander, and Hobhouse, and as criticized by Green, Sorley, Huxley, and Pringle-Pattison. Special attention is given to the problem of determining the nature and limitations of the genetic method as applied in ethical research.

In 1911-12 the subject of the seminary will be the ethics of Plato. The dialogues in which moral questions are prominently discussed are read in approximate chronological order; and the development of Plato's ethics is studied in the light of its interrelations with his theories of knowledge and of reality.

Dr. Mason conducts in each year the following graduate seminary:

Metaphysical Seminary.

Two hours a week throughout the year.

The subject of the seminary is usually an examination of one of the more important metaphysical theories of recent times. The chief object of the inquiry is to indicate the fundamental postulates and tacit agreements of contemporary philosophical thought.

In 1910-11 the subject of the seminary will be the theory of knowledge. The general nature of knowledge, its structure and its relation to the mind, are studied. An attempt is made to develop the criteria of truth and to show what bearing these criteria have on experience. The work centres in a study of Kant's *Critique of Pure Reason*.

In 1911-12 the subject of the seminary will be the relation of knowledge to natural science and to the normative sciences. The fundamental postulates of the world of facts and the world of values are studied critically, and special attention is given to the logical basis of psychology. Pearson's *Grammar of Science* is used as the foundation of the work.

In 1912-13 the subject of the seminary will be the relation of knowledge to being. Various ontological systems are studied with a view to determining the limits of knowledge and the ultimate nature of reality. Bradley's *Appearance and Reality* is used as the foundation of the work.

Dr. de Laguna and Dr. Mason conduct in each year the journal club.

Philosophical Journal Club.

Two hours once a fortnight throughout the year.

The advanced students and the instructors meet to report on and discuss recent reviews and critical articles.

Dr. Leuba offers in each year the following graduate seminary:

Psychological Seminary.

Two hours a week throughout the year.

As the foundation of the work of the seminary one or two of the following subjects will be chosen each year: a comparative study of Wundt, William James, James Ward, Stout, and other psychologists; language, myths, customs; attention, apperception, the will; the psychology of religion and of ethics; psychology of the beautiful; psychiatry and criminology; animal and child psychology, comparative psychology.

Dr. Ferree offers in each year the following graduate course:

Systematic Psychology.

Three hours a week throughout the year.

This course is intended, primarily, to give a systematic presentation of the literature of experimental psychology. Due consideration, however, will be given to all points of systematic importance. The work is grouped about the following topics: sensation, the simpler sense complexes, perception and idea, feeling and the affective processes, attention, action, and the intellectual processes (memory, association, imagination, etc). The course covers three years; but the topics chosen and the time devoted to each vary from year to year according to the needs of the students.

Dr. Leuba and Dr. Ferree together conduct in each year the journal club and the laboratory work.

Psychological Journal Club.

One hour a week throughout the year.

The advanced students meet with the instructors once a week to hear or read reports on the literature of the subject and on the work done in the laboratory.

Psychological Laboratory Work.

The laboratory work consists of individual practice and research.

FREE ELECTIVE COURSES.

Dr. de Laguna offers in 1909-10 and again in 1911-12 the following free elective course, open to graduate students:

Rousseau's Social Philosophy.

One hour a week throughout the year.

In this course Rousseau's theories of art, politics, and religion are discussed.

Dr. de Laguna offers in 1910-11 and again in 1912-13 the following free elective course, open to graduate students:

Theory of Pragmatism.

One hour a week throughout the year.

A brief introduction gives a sketch of the Darwinian theory of evolution and of its application to functional psychology. The greater part of the second semester is devoted to class discussion of Professor James's book on *Pragmatism*.

Dr. Mason offers in each year the following free elective courses, open to graduate students:

Elementary Logic.

One hour a week during the first semester.

This course is an introduction to deductive and inductive logic, including the theories of definition, classification, the transformation of judgments, the canons of the syllogism, the formation of concepts, the general methods of observation and experiment, analogy, and the use of hypotheses.

The Philosophy of Nature.

One hour a week during the second semester.

This course is an introduction to the study of the fundamental postulates of natural science. Such problems as the following will be discussed: The value of mathematical principles in natural science, the necessity of time and space as fundamental principles, the meaning of induction, the relation of the inorganic world to the organic, the relation of psychology to natural science, and finally the place of natural science in the world of knowledge and its relation to ethics and æsthetics.

POST-MAJOR COURSES.

Dr. Mason offers in each year the following post-major courses, open to graduate students:

Types of Metaphysical Theory.

Three hours a week throughout the year.

Each semester is devoted to the examination of some important type of metaphysical theory. After the historical development of the theory under investigation has been traced, its implications and relationships are examined and criticised. The particular subjects selected vary from year to year.

Studies in the Theory of Knowledge.

Two hours a week throughout the year.

Typical theories of knowledge, both idealistic and empirical, are examined. The discussion centres around the nature of truth, and an attempt is made to show how it is related to the mind and to the empirical world.

Dr. Leuba and Dr. Ferree offer in each year the following post-major course, open to graduate students:

Advanced Experimental Psychology. *Three hours a week throughout the year.*

The object of this course is to provide the preparation in laboratory work necessary for graduate work in psychology. The course consists of one lecture a week given by Dr. Ferree and five hours of laboratory work, in qualitative and quantitative psychology, conducted by Dr. Leuba and Dr. Ferree.

Education.

The instruction in this department is under the direction of Dr. James H. Leuba, Professor of Psychology and Education, and Director of the Psychological Laboratory. The instruction offered covers five hours of lectures a week, in addition to the time devoted to the seminary; it includes two hours a week of free elective work, and three hours a week of graduate work.

It is the purpose of the department to offer to students intending to become teachers an opportunity to obtain a technical preparation sufficient for their profession. Hitherto practical training has been thought necessary for teachers of primary schools only, but similar training is very desirable for teachers in high schools and colleges also. Indeed, it is already becoming increasingly difficult for college graduates without practical and theoretical pedagogical knowledge to secure good positions. In

addition to the lectures open to undergraduates, courses will be organised for graduate students only; conducted with special reference to preparation for the headship and superintendence of schools. Education cannot be studied to the best advantage unless an acquaintance with at least the rudiments of psychology is presupposed. The elementary experimental course in psychology is therefore earnestly recommended to all students of education.

GRADUATE COURSES.

Graduate students are recommended to follow the work offered in the undergraduate course mentioned below.

No undergraduates are admitted to graduate courses.

Dr. Leuba offers in each year the following graduate courses:

The Psychology of Mental and Bodily Growth with reference to Education.

One hour a week throughout the year.

A knowledge of elementary psychology is assumed in this course.

Lectures upon school-hygiene; physical training; organisation of education in the United States and in Europe; the training of teachers, etc.

Two hours a week throughout the year.

FREE ELECTIVE COURSE.

Dr. Leuba offers in each year the following free elective course, open to graduate students:

Education.

Two hours a week throughout the year.

This course deals with the great educators and their systems considered with reference to modern educational methods and the problems of to-day.

History of Art and Classical Archæology.

The instruction in this department is under the direction of Dr. Caroline Louise Ransom, Associate Professor of the History of Art and Classical Archæology, Miss Georgiana Goddard King, Reader in English, and Miss Caroline Vinia Lynch, Demonstrator in the History of Art and Classical Archæology.

An archæological seminary of two hours a week throughout the year is offered to graduate students who have done elementary archæological work, and also a journal club meeting one and a half hours a fortnight.

The undergraduate work is divided into courses of three hours a week, and two hours a week, and these change from year to year so that every student has an opportunity, during the course of four years, of taking each undergraduate course offered

in the department. The courses in the Art of the Greek and Roman, Early Christian, Mediæval, and Renaissance periods are designed to give an outline of the history of European architecture, sculpture, and painting. Students wishing a more complete introduction to the history of art are advised to elect also the course in Egyptian Art. Additional courses in classical art and archæology are offered for students of Greek and Latin wishing to study classical antiquities.

In addition to the graduate courses announced, other courses will be provided as need for them arises, and individual students will be directed in special work by means of private conferences.

GRADUATE COURSES.

Two courses are offered to graduate students in addition to the elective courses which are open also to undergraduate students. A reading knowledge of French and German is indispensable for graduate work in art and archæology.

No undergraduates are admitted to graduate courses.

Dr. Ransom conducts in each year the following graduate seminary:

Archæological Seminary.

Two hours a week throughout the year.

This course is open only to graduate students who have had some previous training in classical archæology.

In 1909-10 Roman architecture and topography are the subjects of the seminary in the first semester and Greek vases of the fifth century are studied in the second semester.

In 1910-11 the subjects of the seminary will be Cretan antiquities in the first semester and Greek and Roman pottery in the second semester.

In 1911-12 Greek and Roman coins will be studied in the first semester and Greek and Roman sculpture will be the subject of the seminary in the second semester.

Dr. Ransom and Miss Lynch conduct the journal club in each year:

Archæological Journal Club.

One and a half hours once a fortnight throughout the year.

The graduate students and the instructors meet for the presentation and discussion of topics of current archæological literature.

FREE ELECTIVE COURSES.

Dr. Ransom offers in 1909-10 the following free elective courses, open to graduate students:

History of Architecture.

Three hours a week throughout the year.

This course consists of a survey of Greek, Roman, Early Christian, Mediæval, and Renaissance architecture; it is illustrated with lantern slides.

Egyptian Art.*Two hours a week throughout the year.*

The architecture, sculpture, pottery, and other material remains of ancient Egypt are considered beginning with the prehistoric period and continuing to the time of the Roman supremacy in Egypt. Special attention is given to subjects bearing on the art of Greece. The lectures are illustrated with lantern slides.

Dr. Ransom offers in 1910-11 the following free elective courses, open to graduate students:

History of Painting.*Three hours a week throughout the year.*

This course consists of a survey of the history of painting in Europe beginning with the art of painting among the Greeks and ending with the sixteenth century schools. The lectures are illustrated with lantern slides.

Greek and Roman Vases.*Two hours a week throughout the year.*

A good collection of original material for illustration is in the possession of the department.

Dr. Ransom offers in 1911-12 the following free elective courses, open to graduate students:

History of Sculpture.*Three hours a week throughout the year.*

Greek and Roman sculpture are studied in the first semester and Renaissance sculpture in the second semester. The lectures are illustrated with lantern slides.

The Seventeenth and Eighteenth Century Schools of Painting.*Two hours a week throughout the year.*

The lectures are illustrated with lantern slides.

Miss King offers in 1909-10 and again in 1911-12 the following free elective course, open to graduate students:

Italian Renaissance Painting from the Middle of the Thirteenth to the Middle of the Sixteenth Century. *Two hours a week throughout the year.*

In the first semester the Italian Primitives are studied, chiefly in the schools of Florence, Siena, and Umbria; in the second semester the painters of the High Renaissance, with special attention to those of Venice and the north of Italy.

Miss King offers in 1910-11 the following free elective course, open to graduate students:

Gothic Architecture.*Two hours a week throughout the year.*

The first semester is devoted to Romanesque and pointed architecture in Italy and Germany, with special attention to the introduction of Gothic into Italy by the Cistercians, and the second semester to the development of Gothic in France with parallels from English ecclesiastical architecture.

Mathematics.

The instruction in this department is under the direction of Dr. Charlotte Angas Scott, Professor of Mathematics, Mr. J. Edmund Wright,* Associate Professor of Mathematics, Dr.

* Died, February 20th, 1910. The courses offered by Professor Wright will be given by an instructor whose appointment will be announced later.

Isabel Maddison, Associate in Mathematics, and Dr. Virginia Ragsdale and Dr. Helen Elizabeth Huff, Readers in Mathematics.

GRADUATE COURSES.

The graduate courses consist of lectures and seminary work, supplemented by private reading under the direction of the instructors, the courses being arranged each year with reference to the wishes and degree of preparation of the students concerned.

No undergraduates are admitted to graduate courses.

Dr. Scott offers in 1909-10 the following graduate course:

Theory of Algebraic Invariants.

Two hours a week throughout the year.

In this course binary and ternary forms are considered by means of Aronhold's symbolic notation. During the first semester the work is purely algebraic, during the second semester more attention is paid to the geometrical applications. A general knowledge of plane algebraic curves is necessary for students taking this course.

Dr. Scott offers in 1909-10 the following graduate seminary:

Seminary in the Theory of Plane Algebraic Curves.

Two hours a week during the second semester.

Dr. Scott offers in 1910-11 the following graduate course:

Theory of Surfaces.

Two hours a week throughout the year.

A general knowledge of plane algebraic curves is necessary for students taking this course.

Dr. Scott offers in 1911-12 the following graduate course:

Plane Algebraic Curves.

Two hours a week throughout the year.

The course deals with the general theory of plane algebraic curves, with special attention to topological investigations.

The following graduate course will be offered in 1910-11 by an instructor whose appointment will be announced later:

Elliptic Functions.

Two hours a week throughout the year.

A knowledge of the elementary properties of elliptic functions is presupposed; the properties of the theta functions are considered and some time is spent on the transformation theory. In the latter portion of the course the properties of modular functions are discussed.

The following graduate course will be offered in 1911-12 by an instructor whose appointment will be announced later:

Theory of Functions.

Two hours a week throughout the year.

A knowledge of the elements of the theory is presupposed. The course will contain some account of the theory of functions of more than one independent variable and in particular will include a discussion of the properties of multiply periodic functions.

The following graduate course will be offered in 1912-13 by an instructor whose appointment will be announced later:

Linear Differential Equations.

Two hours a week throughout the year.

This course consists of a discussion of the general theory of these equations, particular attention being paid to those of the second order. A detailed account is given of those equations whose singular points are regular. The expression of the variables as uniform functions of a parameter is dealt with and in this connection the elementary properties of automorphic functions are given. Solution by means of definite integrals and equations of the type which arise in connection with mathematical physics are discussed.

Dr. Scott and Mr. Wright* together conduct the journal club.

Mathematical Journal Club.

One hour a fortnight throughout the year.

The journal club holds fortnightly meetings at which reports on special topics or memoirs are presented by the instructors and the graduate students.

POST-MAJOR COURSES.

The post-major courses in mathematics are designed to bridge over the interval between the ordinary undergraduate studies and advanced work. They deal, therefore, with the subjects of the major course, carried to higher developments and treated by higher methods. As the order of mathematical studies differs in different colleges, graduate students frequently find it advisable to devote a part of their time to these courses. Regular written work is expected from all mathematical students, and a reading knowledge of French and German is presupposed.

The post-major courses in any one year amount to four or five hours a week. The courses given are the following, with occasional modifications:

I. (a.) Lectures Introductory to Modern Analytical Geometry, in connection with Salmon's *Conic Sections* and Scott's *Modern Analytical Geometry*, Dr. Scott.

or, I. (b.) Lectures on Modern Pure Geometry, Dr. Scott.

or, I. (c.) Lectures on Special Topics in Geometry, such as Homogeneous Coordinates, Circular Coordinates, Families of Curves, Certain Transcendental Curves, Geometrical Transformations, etc., Dr. Scott.

Special permission to take this course before completing the two years of the major course may be granted to students whose work in the major course has shown that they are able to profit by the lectures.

II. (a.) Lectures Introductory to Modern Algebra, in connection with Salmon's *Modern Higher Algebra*, and Elliott's *Algebra of Quantics*, Mr. Wright.*

or, II. (b.) Lectures preparatory to the Theory of Functions, in connection with Harkness and Morley's *Introduction to the Theory of Analytic Functions* and Chrystal's *Algebra*, Vol. II, Mr. Wright.*

or, II. (c.) Lectures on Differential Equations, ordinary and partial, Mr. Wright.*

or, II. (d.) A general course in Analysis, dealing with the higher development of subjects only touched upon in the major course, such as Deter-

*See footnote page 104.

minants, Fourier's Series, Infinite Series, Definite Integrals, etc., Mr. Wright.*

III. (a.) Lectures on Analytical Geometry of Three Dimensions, Dr. Maddison.

or, III. (b.) A practical course in Differential Equations, Dr. Maddison.

or, III. (c.) Lectures on the Theory of Envelopes, Dr. Maddison.

In 1909-10 the following post-major courses are offered:

I. (a.) Dr. Scott. *Two hours a week throughout the year.*

II. (b.) Mr. Wright.* *Two hours a week during the first semester.*

III. (a.) Dr. Maddison. *One hour a week throughout the year.*

In 1910-11 the following post-major courses are offered:

I. (c.) Dr. Scott. *Two hours a week throughout the year.*

II. (d.) *Two hours a week during the first semester.*

II. (c.) *Two hours a week during the second semester.*

III. (a.) Dr. Maddison. *One hour a week throughout the year.*

In 1911-12 the following post-major courses are offered:

I. (a.) Dr. Scott. *One hour a week throughout the year.*

II. (d.) *Two hours a week throughout the year.*

III. (c.) Dr. Maddison. *One hour a week throughout the year.*

FREE ELECTIVE COURSES.

Dr. Scott offers in 1909-10 and again in 1911-12 the following free elective course, open to graduate students:

Graphical Mathematics. *One hour a week throughout the year.*

The course deals with statistical work, probability, and theory of errors. It is recommended to students of economics as well as to students of physics. A knowledge of mathematics equivalent to that obtained in the minor course or in the course in mathematical processes and computations is presupposed.

Dr. Scott offers in 1910-11 the following free elective course, open to graduate students:

Fundamental Theorems of Algebra and Geometry.

One hour a week throughout the year.

This course is offered in alternate years. Certain standard problems of historical interest are considered in order to elucidate some of the fundamental principles of mathematics. Either semester may be taken separately. No knowledge of mathematics beyond the requirement for matriculation is presupposed. It is hoped that the work will prove useful to those intending to teach elementary mathematics.

* See footnote page 104.

SCIENCE.

Physics, Chemistry, Geology, Biology.

Professors and instructors: Dr. Joseph W. Warren, Dr. Elmer P. Kohler, Dr. Florence Bascom, Dr. William B. Huff, Dr. David Hilt Tennent, Dr. Nettie Maria Stevens, Dr. James Barnes, Dr. Frederick Hutton Getman, Mr. Chester Albert Reeds, Dr. Harriet Randolph, Dr. Frances Lowater, and Miss Gertrude Langden Heritage.

In January, 1893, the Trustees opened Dalton Hall, a large building, containing ample laboratories, lecture-rooms, research-rooms, special libraries, and professors' rooms for the work of the scientific departments. The chemical, geological, biological, and physical laboratories and the laboratory for experimental psychology are open for students from nine to six daily.

The chemical department includes a lecture-room, a large laboratory for the first-year students, and several smaller ones for advanced and special work, a special room for physical chemistry, preparation and balance rooms, and a chemical library. The supply of apparatus and chemicals has been carefully selected for the purpose of instruction and research, and is increasing from year to year. The chemical library contains, besides necessary treatises and reference books, complete sets of the most important chemical journals.

The biological laboratories are equipped with the best (Zeiss) microscopes, microtomes, etc., and are supplied with apparatus for the study of experimental physiology.

The physical laboratories are carefully furnished with the apparatus necessary for thorough work.

Graduate work in the natural sciences is highly special, and consists of laboratory work, private reading, and special investigations pursued by the student under the guidance of the instructors.

Physics.

The instruction in this department is under the direction of Dr. William B. Huff, Professor of Physics, Dr. James Barnes, Associate in Physics, and Dr. Frances Lowater, Demonstrator in Physics.

GRADUATE COURSES.

The graduate courses consist of lectures, laboratory work, and original research work under the direction of the instructors, the lecture courses varying from year to year so that they may be pursued by students through consecutive years. A good working library containing the current and bound numbers of all the important physical journals is kept in the laboratory.

No undergraduates are admitted to graduate courses.

Dr. Huff offers in 1910-11 the following graduate courses:

Radioactivity.

Three hours a week during the first semester.

The earlier lectures deal with the motion of a charged particle in the field. A discussion of the methods of measuring the velocity of a moving charged particle, and the ratio of its charge to its mass follows. After a discussion of the various radioactive processes a brief account of the theories of the structure of the atom is given.

Discharge of Electricity through Gases.

Three hours a week during the second semester.

The lectures deal primarily with the study of ions and the part they play in the mechanism of the electric discharge.

Dr. Huff offers in 1912-13 the following graduate course:

Mathematical Theory of Electricity and Magnetism.

Three hours a week throughout the year.

The lectures are based on Maxwell's standard work, and include a somewhat detailed account of the later development of the theory.

Dr. Barnes offers in 1909-10 the following graduate course:

Thermo-dynamics and Radiation.

Three hours a week throughout the year.

The modern developments of thermo-dynamics and radiation are considered. Attention is paid to the application of the laws of thermo-dynamics in physical chemistry.

Dr. Barnes offers in 1911-12 the following graduate course:

Physical Optics.

Three hours a week throughout the year.

This course gives a general mathematical discussion of physical optics. Students are expected to give detailed reports on the methods and results of investigations which illustrate the theory.

In each year Dr. Huff and Dr. Barnes together conduct the seminary, the journal club, and the laboratory work.

Physical Seminary and Journal Club.

One hour a week throughout the year.

The advanced students meet with the instructors once a week to hear or read papers on assigned topics in physics.

Laboratory work.

The laboratory work is arranged for the purpose of familiarising the student with the methods of research; the student begins by repeating methods and investigations of well-known experimenters, with any modifications that may be suggested, passing on to points of investigation left untouched by previous experimenters, and finally to the

study of new methods and the prosecution of original research. Students taking physics as their chief subject for the degree of Doctor of Philosophy are expected to spend all the time possible in the laboratory. In the basement there is a constant-temperature vault designed for accurate comparison of lengths, etc., and the laboratory is provided with special rooms for magnetic, optical, and electrical work. A well-equipped shop and a trained mechanic make it possible to have special forms of apparatus constructed which are needed in research work.

POST-MAJOR COURSES.

Dr. Huff offers in 1909-10 the following post-major courses, open to graduate students:

Properties of Matter.

Three hours a week during the first semester.

The lectures cover the general subject of the properties of matter studied from the point of view of the Molecular Theory. The different theories of matter are discussed and an account of recent investigations concerning the relations of matter and electricity is given. Poynting and Thomson's *Properties of Matter* is read in connection with the course.

Theory of Sound.

Three hours a week during the second semester.

The lectures form an introduction to the theory of modes of vibration of pipes, strings, and rods. The theory of music and of musical instruments is then studied. Poynting and Thomson's *Sound* is used during the earlier part of the course, and frequent references are made to Helmholtz and Rayleigh.

Dr. Huff offers in 1911-12 the following post-major course, open to graduate students:

Electricity and Magnetism.

Three hours a week throughout the year.

The lectures of this course treat typical mathematical and experimental problems chosen from the various parts of the entire subject. Emphasis is laid upon giving clear ideas of physical phenomena. A large number of problems on potential and attraction are assigned.

Dr. Barnes offers in 1910-11 the following post-major course, open to graduate students:

Spectroscopy.

Three hours a week throughout the year.

The course begins with a complete discussion of the apparatus used in this subject; the results of past and present investigations are then considered, and problems for investigation are pointed out. The many important applications of spectroscopy to astronomy are not neglected. The standard book of reference is Kayser's *Handbuch der Spectroscopie*. Detailed reports of laboratory investigations are required and in this work Mann's *Manual of Advanced Optics* will be found useful.

Dr. Barnes offers in 1912-13 the following post-major course, open to graduate students:

General Optics.

Three hours a week throughout the year.

These lectures give a general discussion of the theories advanced to explain many phenomena in light. Students are required to have a good knowledge of elementary optics and to be sufficiently familiar with optical apparatus to undertake a detailed study of some special problem.

Chemistry.

The instruction in this department is under the direction of Dr. Elmer P. Kohler, Professor of Chemistry, Dr. Frederick Hutton Getman, Associate in Chemistry, and Miss Gertrude Langden Heritage, Demonstrator in Chemistry.

GRADUATE COURSES.

The advanced courses in chemistry consist of lectures upon inorganic, organic, and physical chemistry, seminary work, reports upon current chemical literature, and laboratory exercises. In the laboratory work the students are required to become familiar with the literature bearing upon the subjects they are studying, and it is therefore necessary for them to have a reading knowledge of French and German.

The lecture courses are varied from year to year to meet the requirements of students and to form a consecutive course for those who wish to make chemistry the chief subject in the examination for the degree of Doctor of Philosophy. Such students may specialise either in organic chemistry, under the direction of Dr. Kohler or in inorganic and physical chemistry, under the direction of Dr. Getman, but students who make organic chemistry the major subject of examination must take physical chemistry as one of their minor subjects, and students who make inorganic chemistry the major subject, must take organic chemistry as one of the minor subjects.

No undergraduates are admitted to graduate courses.

Dr. Kohler conducts in each year the following graduate seminary:

Chemical Seminary, Organic Chemistry. *One hour a week throughout the year.*

The students who specialise in organic chemistry present formal reports upon assigned topics.

Dr. Getman conducts in each year the following graduate seminary:

Chemical Seminary, Inorganic Chemistry.

One hour a week throughout the year.

The course consists of lectures, required reading, and reports on various topics. Modern determinations of atomic weight, the constitution of the chromic chlorides, the separation of the rare earths and radio-activity have been among the subjects treated. The needs of the individual students are considered in selecting the subjects for discussion.

Dr. Kohler offers in 1910-11 and again in 1912-13 the following graduate course:

Advanced Organic Chemistry.

Three hours a week throughout the year.

Dr. Getman offers in 1909-10 and again in 1911-12 the following graduate course:

Physical Chemistry.

Three hours a week throughout the year.

The lectures give a general survey of the subject, including the laws of gases, the elements of Thermodynamics, the theory of solutions, chemical kinetics, equilibria, thermo-chemistry, and electro-chemistry.

The laboratory work in connection with the course includes the determination of specific gravities of solids and liquids, the molecular weights of vapors and dissolved substances; the study of reaction velocities, calorimetry, and electro-chemical measurements.

Dr. Kohler and Dr. Getman together conduct the journal club.

Chemical Journal Club.

One hour a week throughout the year.

The advanced students, with the instructors, meet to hear reports and discussions on recent scientific articles.

POST-MAJOR COURSES.

Dr. Kohler offers in 1909-10 and again in 1911-12 the following post-major course, open to graduate students:

Organic Chemistry, selected topics.

Three hours a week throughout the year.

The aim of this course is to lay the foundation for independent work in organic chemistry. The lectures begin with a study of current problems as illustrated by some particular class of organic compounds. This is followed by a discussion of the laboratory methods available for the solution of such problems.

The laboratory work is varied to meet the wants of the individual students. In general the student begins with the preparation of some of the more important substances that are discussed in the lectures. This is followed by organic analyses, molecular weight determinations, and the transformations necessary to establish the structural formulas of the substances prepared. In the second semester some elementary problem in organic chemistry is assigned to each student.

Dr. Getman offers in 1910-11 and again in 1912-13 the following post-major course, open to graduate students:

Inorganic Chemistry.

Three hours a week throughout the year.

The aim of the lectures is to extend the students' knowledge of inorganic and theoretical chemistry and to lay a foundation for independent work in this subject. One hour a week is given to a discussion of the laboratory work and subjects suggested directly by it.

The laboratory work includes the calibration of instruments; the preparation of pure substances; advanced quantitative analysis, comprising the elements of gas and water analysis; and such physico-chemical measurements as the needs of the individual student may indicate.

Geology.

The instruction in this department is under the direction of Dr. Florence Bascom, Professor of Geology, and Mr. Chester Albert Reeds, Lecturer in Geology.

The instruction offered in geology includes, in addition to the minor and major courses, two hours a week of free elective

work, two post-major courses of three hours a week open only to graduates and to undergraduates that have completed the major course in geology and three graduate courses of five, three, and two hours a week respectively.

Post-major courses in petrography and palæontology are offered in each year, and are designed to train the student in petrographic methods for the exact determination of rock species and rock families and in the principles of invertebrate and vertebrate palæontology. They are an essential preliminary to research work in the science.

Excellent illustrative material for the graduate and undergraduate courses is furnished by the geological collections of the college, including the Theodore D. Rand rock and mineral collection, which alone contains over 20,000 specimens, by the private collections of the instructors, and by material lent by the United States Geological Survey. The department is also fortunate in its proximity to the museum of the Academy of Natural Science of Philadelphia. Within easy reach of the college there are excellent collecting fields for fossil, mineral, and rock specimens.

GRADUATE COURSES.

The graduate courses in petrology and mineralogy should be preceded by the major and post-major courses or their equivalents and are intended primarily for graduate students wishing to make geology a major subject for the degree of Doctor of Philosophy. The graduate course in mineralogy is also intended to meet the needs of graduate students in chemistry who wish to make mineralogy a minor subject for the degree of Doctor of Philosophy. The graduate course in historical geology is designed primarily for graduate students wishing to make geology a major subject for the degree of Doctor of Philosophy; it may also be taken by graduate students in biology who wish to make historical geology a minor subject for the degree of Doctor of Philosophy. Further graduate courses in petrology will be arranged to suit the requirements of candidates for the degree of Doctor of Philosophy and research problems will be assigned.

No undergraduates are admitted to graduate courses.

Dr. Bascom offers the following graduate courses:

Lectures on Petrology.	<i>One hour a week throughout the year.</i>
Field Work.	<i>Four hours a week throughout the year.</i>
Laboratory Work.	<i>Eight hours a week throughout the year</i>

The lectures deal with the problems of metamorphism of both aqueous and igneous rocks. The character of metamorphic processes and the conditions which control these

processes, the megascopic and microscopic structures, and the criteria determining the origin, classification, geographic distribution, and geologic occurrence of metamorphic rocks are treated. Direction is given in research-work, map making, and advanced field work. The amount of laboratory, field work, and private reading required makes the course the equivalent of five hours a week.

Lectures on Mineralogy.

One hour a week throughout the year.

Laboratory Work.

Three hours a week throughout the year.

Both the lectures and laboratory practice deal with crystal measurement by means of the two-circle goniometer, with crystal projection, and crystal drawing.

The works of Goldschmidt, Hintze, Groth, Tschermak, and Dana are used as reference books.

Mr. Reeds offers in each year the following graduate course:

Lectures on Advanced Historical Geology.

One hour a week throughout the year.

Field Work.

Three hours a week throughout the year.

Laboratory Work.

Three and a half hours a week throughout the year.

A detailed study is made of the rocks of one or more geological periods. The faunas and floras in these rocks are studied with respect to their development and to their associations in the various geographic areas and zoologic provinces. The student will study the literature bearing on the periods under consideration and, in the field, will make a systematic investigation of an assigned area in the vicinity of the college.

Dr. Bascom and Mr. Reeds together conduct the journal club:

Geological Journal Club.

One hour a week throughout the year.

The graduate students and the instructors meet for the presentation and discussion of recent geological literature.

POST-MAJOR COURSES.

Dr. Bascom offers in each year the following post-major course, open to graduate students:

Lectures on Petrography.

Two hours a week throughout the year.

Field Work.

Three hours a week throughout the year.

Laboratory Work.

Two and a half hours a week throughout the year.

During the first semester the lectures deal with the principles of optical crystallography, the optical means of mineral determination, and the petrographic characters of rock-forming minerals. In the second semester the structure, composition, characters, origin, geographical distribution, and geological associations of the igneous rocks are treated. Practice is given in the quantitative chemical classification of igneous rocks for the purpose of determining their position in the new system. Petrographical investigation in the field and laboratory is included in the course. The works of Groth, Rosenbusch, Zirkel, and Michel Lévy are used for reference. Special field problems are given to the students for independent solution.

Mr. Reeds offers in each year the following post-major course, open to graduate students:

Lectures on Palæontology.

Two hours a week throughout the year.

Field Work.

Three hours a week throughout the year

Laboratory Work.*Two and a half hours a week throughout the year.*

The course presupposes a knowledge of Historical Geology. A systematic study is made of the various classes of animals which are found in a fossil state. Special attention is given to the relations of these classes to each other as bearing on their origin and on the theory of evolution. Weekly excursions are made to neighboring fossiliferous localities to collect fossils, and to observe their occurrence in the rocks. The student has access, not only to the representative palæontological collection of Bryn Mawr College, but also to the large collections of the several academies and institutes in Philadelphia.

FREE ELECTIVE COURSES.

Mr. Reeds offers in each year the following free elective courses, open to graduate students:

Lectures on Meteorology.*Two hours a week during the first semester.*

The course consists of lectures on atmospheric phenomena illustrated by a selected series of lantern slides. Weather maps and forecasts are received daily from Washington and, by means of these, weather conditions in the United States are studied and observations are made on phenomena attending storms.

Lectures on Oceanography.*Two hours a week during the second semester.*

The course consists of a study of the ocean. The lectures treat of the relief of the sea bottom, the various sediments laid down thereon, animal life in the sea, the conditions under which it exists, and causes of and barriers to the migration of faunas.

Biology.

The instruction in this department is under the direction of Dr. David Hilt Tennent, Associate Professor of Biology, Dr. Joseph W. Warren, Associate Professor of Physiology, Dr. Nettie Maria Stevens, Associate in Experimental Morphology, and Dr. Harriet Randolph, Demonstrator in Biology and Reader in Botany.

GRADUATE COURSES.

The advanced courses are varied from year to year, so as to form a consecutive course for students that wish to make biology one of the chief subjects of the examination for the degree of Doctor of Philosophy. Such students may specialise either in animal morphology under the guidance of Dr. Tennent and Dr. Stevens, or in animal physiology under the guidance of Dr. Warren.

No undergraduates are admitted to graduate courses.

Dr. Tennent offers in 1909-10 the following graduate course:

Problems in Embryology.*One hour a week throughout the year.*

The embryology of invertebrates with special reference to germinal organisation, cleavage, and differentiation, and to the problems of inheritance and development is studied.

Dr. Tennent offers in 1910-11 the following graduate course:

The Evolution of Organisms.

One hour a week throughout the year.

This course of lectures deals with the growth of the idea of organic evolution, the greater part of the course being devoted to a critical examination of the work of Lamarck, Darwin, and De Vries.

Dr. Tennent offers in 1911-12 the following graduate course:

Adaptation of Organisms.

One hour a week throughout the year.

In this course the adaptation of organisms to environment, the origin of adaptations and the theories that have been advanced to account for adaptation are considered.

Dr. Warren offers in 1909-10 the following graduate course:

Selected Problems of Nutrition with special reference to recent discussions of standard diets.

One hour a week throughout the year.

Dr. Warren offers in 1910-11 the following graduate courses:

The Interstitial Secretion of Glands ("Internal Secretion").

One hour a week during the first semester.

Selected Problems in Respiration and their bearing on the Nature of Metabolism, and the Problem of Animal Heat (Thermometry and Calorimetry).

One hour a week during the second semester.

Dr. Warren offers in 1911-12 the following graduate courses:

An Introduction to the History and Literature of Animal Physiology.

One hour a week during the first semester.

The Problem of the Knee-jerk, and a Discussion of the Graphic Method in its Application to Physiology.

One hour a week during the second semester.

Dr. Stevens offers in each year the following graduate course:

Advanced Experimental Morphology.

One hour a week throughout the year.

The topics treated in this course vary from year to year according to the needs of the graduate students attending the course and the work being done by prominent investigators in the field of experimental morphology. Special use is made of the recent periodical literature. The subjects considered in 1905-10 were experimental morphology from a historical standpoint, Darwin's experimental work, some problems in regeneration, problems in experimental embryology, statistical methods for the study of biological variation, sex determination, the mutation theory and Mendelism. A selection from these topics will be given in 1910-11, unless some other subjects seem more desirable. Problems for laboratory research are assigned to students who desire to do research work in experimental morphology or cytology.

Dr. Tennent, Dr. Warren, and Dr. Stevens together conduct the journal club, the seminary, and the laboratory work.

Biological Journal Club.

One hour a fortnight throughout the year.

The advanced students and the instructors meet fortnightly for the discussion of topics of current biological literature.

Biological Seminary.

One hour a fortnight throughout the year.

The graduate students and the instructors meet fortnightly for the formal presentation of assigned topics.

Laboratory Work.

There is no regular course of laboratory instruction for graduates. Each student desiring to devote a considerable portion of her time to such work is given a problem for verification or extension. The nature of the work depends in each case on the qualifications of the student.

POST-MAJOR COURSES.

Dr. Tennent offers in 1908-09 and again in 1910-11 the following post-major course, open to graduate students:

Embryology.

One hour a week throughout the year.

This course consists of lectures and laboratory work on the embryology of the vertebrates. In the lectures an effort is made not only to discuss the embryology of specific forms but also to consider carefully the fundamental questions of embryological interest. The development of Amphioxus, Ascidian, Amia, Lepidosteus, Squalus, Ctenolabrus, Necturus, Rana, Chrysemys, Chick, and Mammal is studied. After the study of these forms some elementary problem in embryology is assigned to each student.

Dr. Tennent offers in 1909-10 and again in 1911-12 the following post-major courses, open to graduate students:

Comparative Anatomy and Embryology of the Protochordates.

One hour a week during the first semester.

This course of lectures, assigned reading, and laboratory work is intended to supplement the major course in zoology. Types of the principal groups of the protochordates are studied in the laboratory and some individual work is assigned.

The Structure of Protoplasm and the Cell.

One hour a week during the second semester.

The structure of protoplasm, the mechanism of cell division, fertilisation, reduction, and some of the problems of cell organisation are described and studied.

Dr. Warren offers in each year the following post-major courses, open to graduate students:

Advanced Physiology.

One hour a week throughout the year.

The topics selected depend upon the previous training of the students, and as far as possible the preferences of the students are consulted. Occasional conferences are held for the discussion of essays prepared by the students and presenting the more important evidence concerning the fundamental problems of physiology. By this means it is hoped to familiarise the student with the literature and with the methods of investigation. In suitable cases and by special permission of the instructor this course may be extended by laboratory work and private reading. In this way it may be made equivalent to a course of two or three hours a week.

Lectures on the Structure and Function of the Central Nervous System.

One hour a week throughout the year.

This course may, under special circumstances, be taken at the same time as the major course. The finer structure of the nervous system of the higher vertebrates is discussed in considerable detail. The physiology of the cord and brain is presented as fully as the time will permit. This course may also be taken as a one hour elective by properly qualified students.

Lectures and Demonstrations in Physiological Chemistry.

Two hours a week throughout the year.

The instruction in this course is given by lectures and conferences on selected topics

and also by laboratory work of about three hours a week. It treats of the problems of secretion and excretion, and also of the principal questions of nutrition in considerable detail and with reference to the more modern theories relating to these processes. The lectures are intended to supplement those of the major year, and a preliminary training in chemistry equivalent to that obtained in the minor course is required. This course may be taken as a two hour elective by properly qualified students.

Human Osteology.

One hour a week throughout the year.

This course is intended for students in the preliminary medical course; it may also be taken as a free elective course by properly qualified students receiving special permission. Two hours laboratory work is required in connection with the course.

Dr. Stevens offers in each year the following post-major course, open to graduate students:

Problems in Experimental Morphology. *One hour a week throughout the year.*

The object of this course is to give a general historical view of experimental morphology, to discuss some of the methods employed, to point out the results already obtained, and to indicate the nature of the work now being done in this subject. The students will be referred to the most recent literature on the subject and an attempt will be made to make them familiar with the most interesting present day research problems in experimental morphology and cytology. This course may be taken in exceptional cases as a one hour course with one and a half hours laboratory work or assigned reading, but it is recommended that it be taken with five hours laboratory work as a three hour course.

Dr. Tennent, Dr. Warren, and Dr. Stevens conduct laboratory work in connection with the above courses:

Laboratory Work.

It is desirable that as much laboratory work as possible should be done in connection with the courses offered above. The object of the laboratory work is to give the student experience in the use of apparatus and in adapting it to research. Some special problem is assigned to each student; at the end of the year the results of the work are presented in writing.

FREE ELECTIVE COURSE.

Dr. Tennent offers in each year the following free elective course, open to graduate students:

Theoretical Biology.

One hour a week throughout the year.

This course deals chiefly with the subjects of evolution and heredity, and is open to students who have taken a minor course in biology, chemistry, geology, or physics, or have done equivalent work. A considerable amount of assigned reading will be required.

COLLEGE BUILDINGS.

The college buildings are situated at Bryn Mawr, in the suburbs of Philadelphia, five miles west of the city, on the main line of the Pennsylvania Railroad. The site of the college is four hundred and twenty feet above sea level, in the midst of a beautiful rolling country made accessible by good roads in every direction. The college grounds cover fifty-two acres, and include

lawns, tennis courts, and two large athletic fields, one of which is converted in winter into a skating-pond.

Taylor Hall (named after the founder), a large building of Port Deposit stone, contains a general assembly room, ten lecture-rooms, and the offices of administration.

The library, the gift of the friends, graduates, and students of the college, begun in April, 1903, was completed in February, 1907. It is built of gray stone in the Jacobean Gothic style of architecture of the period of 1630, and forms three sides of a closed quadrangle. The main building, devoted to the library proper, faces east and is opposite and parallel to Taylor Hall at a distance of about fifty yards; the principal entrances of the two buildings face each other and are connected by a broad cement path. The east front is one hundred and seventy-four feet long and contains a three story stack with accommodation for eighty-eight thousand volumes, and above this a large reading-room with desks for one hundred and thirty-six readers, each desk screened to a height of two feet, as in the British Museum reading-room, to secure privacy to the reader. No books of reference are kept in the main reading-room. Beyond the reading-room on the south side is the newspaper and magazine room, and reached through this a student's study room. On the north side is the Art Seminary, containing collections of photographs, vases, and coins. The main building contains offices for the librarians and cataloguers, a study room for the non-resident students, and four cloak rooms. The wings of the building, running symmetrically about two hundred feet in length from the north and south ends of the main building, contain twelve seminary rooms and twenty-five professors' offices. The books needed for graduate study and research are kept in the seminary rooms and graduate lectures are held in them. The seminaries are arranged as follows: Greek, Latin, English, German, French, Italian and Spanish, and Philosophy in the north wing; Mathematics, History, Economics, Psychology, and Semitic Languages in the south wing. The total book capacity of the library, including the seminary libraries and the books for general study which are kept in the stack, is 168,449 volumes. The building is absolutely fire-proof. Professors' offices for the senior professors in each department adjoin the seminary rooms. There are also two seminary lecture-rooms accommodating about fifteen students, one general lecture-room

accommodating forty-two students, four interview rooms, and a library for the use of the Christian Union.

On the first floor of the south wing the department of experimental psychology has two large laboratories, one for general work and one for research. The basement of the north wing contains rooms for the Monograph Committee of the Faculty, the Alumnæ Association, the Students' Association for Self-Government, and fire-proof safe rooms for the records and archives of the college. The quadrangular court enclosed by the building is surrounded by cloisters and in the centre of the grass enclosure is a fountain, the gift of the class of 1901.

The library is open for students on week-days from 8 a. m. till 10 p. m. and on Sundays from 2 p. m. till 10 p. m. It is open for the faculty at all hours.

In January, 1893, the scientific departments of the college were transferred to Dalton Hall, a stone building erected by the Trustees out of funds in large part contributed by the generosity of friends of the college. Dalton Hall is entirely occupied by the scientific departments, the special scientific libraries, and the consultation-rooms of the professors of science. The first floor and the basement are reserved for physics, the second floor is reserved for biology, the third floor for chemistry, and the fourth and fifth floors for geology. In December, 1893, a greenhouse designed for the use of the botanical department was added to Dalton Hall as the gift of the alumnæ and students.

Around Taylor Hall the Trustees have erected halls of residence for the accommodation of students. Plans, drawings, and descriptions of the six halls of residence, Merion Hall, Radnor Hall, Denbigh Hall, Pembroke Hall East, Pembroke Hall West, and Rockefeller Hall, the gift of Mr. John D. Rockefeller, and of the academic buildings, Taylor Hall, the Library, and Dalton Hall, are published in a separate pamphlet to be obtained from the Secretary of the College.

The new gymnasium, erected on the site of the first gymnasium and the gift of the Athletic Association, the alumnæ and thirteen neighbors of the college, was completed in February, 1909. It is open to the students from 8 a. m. till 10 p. m., daily, contains a large hall for gymnastic exercises, with a running or walking track for use in rainy weather; a room for the director, and an adjoining room for the examination and record

of the physical development of the students, a waiting room, and cloak rooms. In the basement are bathrooms for use after exercise and a swimming-tank, sixty-nine feet long, twenty feet wide, and from four to seven and a half feet deep, given in 1894 by the alumnæ, students, and friends of the college, and well supplied with spring boards, life preservers, and other apparatus for the teaching of swimming. The gymnasium is under the charge of a director and two assistants.

There is on the grounds, separated from the other buildings, a cottage infirmary, or hospital, with accommodation for patients and nurses, and its own kitchen and bathrooms.

A central power-house, which was erected in 1903 as part of the gift of Mr. John D. Rockefeller, furnishes heat, electric light, and hot water for all the college buildings. Steam is conducted through tunnels underground to coils in the basement of each building. Air brought in from the outside is blown through the heaters by powerful fans and distributed to the various rooms, and the piping system is so adjusted as to change the air completely in every room once in every ten minutes throughout the day and night. The temperature is regulated by thermostats in the heating coils as well as in the individual rooms. The electric lights, including electric reading-lamps for each student, are installed in the most approved manner and the voltage is kept constant so that there is no fluctuation. A constant and abundant supply of hot water is laid on and maintained at a temperature of 180 degrees, during all the twenty-four hours of the day, in all the bathrooms and stationary washstands and tea pantries.

The Delaware and Atlantic Telegraph and Telephone Company, a branch of the long-distance Bell Telephone Company, maintains telephone pay stations in each of the halls of residence, in the library and in the gymnasium, by means of which the students may be communicated with at any time. Near the college are a Postal Telegraph-Cable Company office (service 6 A. M. to 12 P. M.), an Adams Express office, a United States money-order office, and two banks. There are good roads in every direction. Horses for riding and driving may be kept at livery near the college, at a cost of twenty-five dollars a month.

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112

BRYN MAWR COLLEGE

CALENDAR

LIBRARY
OF THE
UNIVERSITY OF PENNSYLVANIA
GRADUATE COURSES

1911



BRYN MAWR, PENNSYLVANIA.

Published by Bryn Mawr College,

March, 1911.

BRYN MAWR COLLEGE

CALENDAR

GRADUATE COURSES

1911

BRYN MAWR, PENNSYLVANIA.

Published by Bryn Mawr College.

Vol. IV. Part 2. March, 1911.

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Philadelphia, Penna.

BRYN MAWR COLLEGE CALENDAR.

1911.

PART 1. Register of Alumnæ and Former Students.

PART 2. Graduate Courses.

PART 3. Undergraduate and Graduate Courses.

PART 4. Academic Buildings and Halls of Residence,
Plans and Descriptions.

BRYN MAWR COLLEGE.

COLLEGE CALENDAR.

1911.

JANUARY.

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The academic year will close with the Conferring of Degrees at eleven o'clock, on June 6th, 1912.

ACADEMIC YEAR, 1911-12.

September 26th.	Matriculation examinations begin.
October 2nd.	Registration of students. Halls of Residence open for students at three p. m.
October 3rd.	Registration of students. Matriculation examinations end.
October 4th.	The work of the twenty-seventh academic year begins at a quarter to nine o'clock.
October 5th.	Examinations for advanced standing begin.
October 21st.	Senior oral examination in French.
October 26th.	Examinations for advanced standing end.
October 28th.	Senior oral examination in German.
November 13th.	Collegiate and matriculation condition examinations begin.
November 21st.	Collegiate and matriculation condition examinations end.
November 22nd.	Thanksgiving vacation begins at one o'clock.
November 27th.	Thanksgiving vacation ends at nine o'clock.
December 2nd.	Senior oral examinations in French and German.
December 20th.	Christmas vacation begins at one o'clock.
January 4th.	Christmas vacation ends at nine o'clock.
January 24th.	Half-yearly collegiate examinations begin.
January 30th.	Matriculation examinations begin.
February 3rd.	Collegiate examinations end. Annual meeting of the Alumnæ Association.
February 5th.	Vacation.
February 6th.	Vacation. Matriculation examinations end.
February 7th.	The work of the second semester begins at a quarter to nine o'clock.
February 8th.	Examinations for advanced standing begin.
February 29th.	Examinations for advanced standing end.
March 16th.	Senior oral examinations in French and German.
March 25th.	Collegiate and matriculation condition examinations begin.
March 27th.	Mid-semester examinations in matriculation Greek, German and French.
April 2nd.	Collegiate and matriculation condition examinations end.
April 3rd.	Easter vacation begins at one o'clock.
April 11th.	Easter vacation ends at nine o'clock.
May 11th.	Senior oral examinations in French and German.
May 21st.	Vacation.
May 22nd.	Collegiate examinations begin.
May 30th.	Matriculation examinations begin.

- June 1st. Collegiate examinations end.
 June 5th. Matriculation examinations end.
 June 6th. Conferring of degrees and close of twenty-seventh
 academic year.

ACADEMIC YEAR 1912-13.

- September 24th. Matriculation examinations begin.
 September 30th. Registration of students. Halls of Residence open
 for students at three p. m.
 October 1st. Registration of students.
 Matriculation examinations end.
 October 2nd. The work of the twenty-eighth academic year
 begins at a quarter to nine o'clock.

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FREDERIC H. STRAWBRIDGE.

M. CAREY THOMAS.

ANNA RHOADS LADD.

FONGER DEHAAN, PH.D., *Professor of Spanish.*

Leeuwarden, Holland. Ph.D., Johns Hopkins University, 1895; Instructor in Modern Languages, Lehigh University, 1885-91; Fellow in Romance Languages, Johns Hopkins University, 1893-94, Assistant in Romance Languages, 1893-95, Instructor in Romance Languages, 1895-96, and Associate in Romance Languages, 1896-97.

ALBERT SCHINZ, PH.D., *Associate Professor of French Literature.*

Neuchâtel, Switzerland. A.B., University of Neuchâtel, 1888, and A.M., 1889. Licentiate in Theology, 1892; Student, University of Berlin, 1892-93; University of Tübingen, 1893; Ph.D., University of Tübingen, 1894; Sorbonne and Collège de France, 1894; Privatdocent, University of Neuchâtel, 1896-97; Instructor in French, Clark University, 1897-98; Instructor in French, University of Minnesota, 1898-99.

ARTHUR LESLIE WHEELER, PH.D., *Professor of Latin.*

A.B., Yale University, 1893; Scholar and Student in Classics, Yale College, 1893-96; Ph.D., Yale University, 1896; Instructor and Tutor in Latin, Yale College, 1894-1900.

HENRY NEVILL SANDERS, PH.D., *Professor of Greek.*

Edinburgh, Scotland. A.B., Trinity University, Toronto, 1894, and A.M., 1897; Ph.D., Johns Hopkins University, 1903; Fellow in Greek, Johns Hopkins University, 1897-98; Lecturer in Greek, McGill University, 1900-02.

WILLIAM BASHFORD HUFF, PH.D., *Professor of Physics.*

A.B., University of Wisconsin, 1889; A.M., University of Chicago, 1896; Ph.D., Johns Hopkins University, 1900; Lecture Assistant in Physics, Johns Hopkins University, 1899-1900, Assistant in Physics, 1900-01, and Instructor in Physics, 1901-02.

WILLIAM ROY SMITH,* PH.D., *Associate Professor of History.*

A.B., University of Texas, 1897, and A.M., 1908; Ph.D., Columbia University, 1903; Acting Professor of History and Political Science, University of Colorado, 1900-01; Lecturer in History, Barnard College, 1901-02.

LUCY MARTIN DONNELLY, A.B., *Associate Professor of English.*

A.B., Bryn Mawr College, 1893; University of Oxford, England, and University of Leipsic, 1893-94; Sorbonne and Collège de France, and University of Leipsic, 1894-95.

KARL DETLEV JESSEN, PH.D., *Associate Professor of German Literature.*

Winnemark, Schleswig-Holstein, Germany. A.B., University of Chicago, 1896, and Fellow in German, 1897-98; Ph.D., University of Berlin, 1901; University of Chicago, 1895-98; University of Kiel, 1899; University of Berlin, 1898-1901; Acting Professor of Modern Languages, Eureka College, 1896; Instructor in German, Iowa State University, 1897; Instructor in German, Harvard University, 1901-03, and Lecturer on German Literature and Aesthetics, 1904.

TENNEY, FRANK,* PH.D., *Associate Professor of Latin.*

A.B., University of Kansas, 1898, and A.M., 1899; Ph.D., University of Chicago, 1903; Fellow, University of Chicago, 1899-1901; Assistant and Associate in Latin, University of Chicago, 1901-04.

DAVID HILT TENNENT, PH.D., *Associate Professor of Biology.*

S.B., Olivet College, 1900; Fellow, Johns Hopkins University, 1902-04; Bruce Fellow, Johns Hopkins University, 1904; Ph.D., Johns Hopkins University, 1904.

NETTIE MARIA STEVENS, PH.D., *Associate in Experimental Morphology.*

A.B., Leland Stanford, Jr., University, 1899, and A.M., 1900; Ph.D., Bryn Mawr College, 1903; Student in Hopkins Seaside Laboratory, Pacific Grove, Summer, 1897, 1898, 1899, and 1900. Graduate Scholar in Biology, Bryn Mawr College, 1900-01; Holder of the President's European Fellowship, 1901-02; Student, Zoological Station, Naples, and University of Würzburg, 1901-02; 1908-09; Fellow in Biology, Bryn Mawr College, 1902-03, and Research Fellow in Biology, 1903-04; Carnegie Research Assistant, 1904-05; Alice Freeman Palmer Research Fellow, 1908-09.

*Granted leave of absence for the year 1910-11.

CARLETON FAIRCHILD BROWN, PH.D., *Professor of English Philology.*

A.B., Carleton College, 1888; A.M., Harvard University, 1901, and Ph.D., 1903. Shattuck Scholar, Harvard University, 1901-03; Instructor in English, Harvard University, 1903-05.

JAMES BARNES, PH.D., *Associate Professor of Physics.*

Halifax, Nova Scotia. B.A., Dalhousie University, Honours in Mathematics and Physics, 1899, and M.A., 1900; Ph.D., Johns Hopkins University, 1904. Holder of 1851 Exhibition Science Research Scholarship, 1900-03; Fellow, Johns Hopkins University, 1903-04, and Assistant in Physics, 1904-06.

RICHARD THAYER HOLBROOK, PH.D., *Associate Professor of French Philology and Italian.*

A.B., Yale University, 1893; Ph.D., Columbia University, 1902. Sorbonne, Collège de France, Ecoles des Chartes, 1893-94, 1895-96; Student in Italy and University of Berlin, 1894-95; Student in Spain, 1901; Tutor in the Romance Languages and Literatures, Yale University, 1896-1901, and Columbia University, 1902-06.

THEODORE DE LEO DE LAGUNA, PH.D., *Professor of Philosophy.*

A.B., University of California, 1896, and A.M., 1899; Ph.D., Cornell University, 1901. Teacher in the Government Schools of the Philippine Islands, 1901-04; Honorary Fellow and Assistant in Philosophy, Cornell University, 1904-05; Assistant Professor of the Philosophy of Education, University of Michigan, 1905-07.

CHARLES CLARENCE WILLIAMSON, PH.D., *Associate in Economics and Politics.*

A.B., Western Reserve University, 1904; Ph.D., Columbia University, 1907. Assistant in Economics and Graduate Student, Western Reserve University, First Semester, 1904-05; Scholar in Political Economy, University of Wisconsin, 1904-05; Graduate Student, University of Wisconsin, 1905-06; University Fellow in Political Economy, Columbia University, 1906-07; Research Assistant of the Carnegie Institution, 1905-07.

MARION REILLY, A.B., *Dean of the College.*

A.B., Bryn Mawr College, 1901; Graduate Student, Bryn Mawr College, 1901-02, 1903, 1903-06; Newnham College, University of Cambridge, Spring, 1907.

MARION PARRIS, PH.D., *Associate in Economics.*

A.B., Bryn Mawr College, 1901, and Ph.D., 1909. Graduate Student, Bryn Mawr College, 1902-05, Fellow in Economics and Politics, 1905-06; Bryn Mawr College Research Fellow and Student in Economics and Politics, University of Vienna, 1906-07.

FREDERICK HUTTON GETMAN, PH.D., *Associate in Chemistry.*

Ph.D., Johns Hopkins University, 1903. Rensselaer Polytechnic Institute, 1893-96; University of Virginia, 1896-97; Fellow in Chemistry, Johns Hopkins University, 1902-03, and Fellow by Courtesy, 1903-04; Carnegie Research Assistant in Physical Chemistry, 1903-04; Lecturer in Physical Chemistry, College of the City of New York, 1904-05, and Lecturer in Physics, Columbia University, 1907-08.

M. PHILLIPS MASON, PH.D., *Associate in Philosophy.*

A.B., Harvard University, 1899, A.M., 1900, and Ph.D., 1904. Corpus Christi College, University of Oxford, 1899-1900; Universities of Heidelberg and Berlin, 1900-01; University of Marburg, 1901-02; Sorbonne and Collège de France, 1902; Harvard University, 1902-04; John Harvard Fellow of Harvard University, 1902-03; Instructor in Philosophy, Princeton University, 1905-07.

CLARENCE ERROL FERREE, PH.D., *Associate in Experimental Psychology.*

B.S., Ohio Wesleyan University, 1900, A.M., 1901, and M.S., 1902; Ph.D., Cornell University, 1909. Fellow in Psychology, Cornell University, 1902-03; Assistant in Psychology, Cornell University, 1903-07.

ORIE LATHAM HATCHER, PH.D., *Associate in Comparative Literature and Elizabethan Literature.*

A.B., Vassar College, 1888. Ph.D., University of Chicago, 1903. Graduate Student, University of Chicago, 1901-03, and Fellow in English, 1903-04.

ALFRED HORATIO UPHAM, PH.D., *Associate Professor of English Literature.*

A.B., Miami University, 1897, and A.M., 1898; A.M., Harvard University, 1901; Ph.D., Columbia University, 1908. Instructor in Latin and Greek, Miami University, 1897-1900; Graduate Student, Harvard University, 1900-02; Professor of English, Agricultural College of Utah, 1902-05; Columbia University Fellow in Comparative Literature, 1905-06; Associate Professor of English, Miami University, 1906-08, and Professor of English and Head of the Department, 1908-10.

E. RAYMOND TURNER, PH.D., *Associate in History.*

A.B., St. John's College, 1904; Ph.D., Johns Hopkins University, 1910. Fellow, Johns Hopkins University, 1909-10.

CHESTER ALBERT REEDS, PH.D., *Associate in Geology.*

B.S., University of Oklahoma, 1905; M.S., Yale University, 1907, and Ph.D., 1910. Graduate Scholar, Yale University, 1905-06; and Fellow, 1906-08; Field Assistant, U. S. Geological Survey, 1903-06; Instructor in Mineralogy and Petrology, University of Oklahoma, February to June, 1908.

AGATHE LASCH, PH.D., *Associate in Teutonic Philology.*

Berlin, Germany. Ph.D., University of Heidelberg, 1909. Student, University of Halle, 1906-07; University of Heidelberg, 1907-10. State Examination *pro facultate docendi*, Karlsruhe, 1910.

SAMUEL ARTHUR KING, M.A., *Non-Resident Lecturer in English Diction.*

Tyngmouth, England. M.A., University of London, 1900. Special Lecturer in Elocution, Johns Hopkins University, 1901; Special Lecturer in Elocution, University of California, 1902.

FREDERICK A. BLOSSOM, A.B., *Lecturer in French.*

A.B., Amherst College, 1898; Johns Hopkins University, 1903-04, 1909. Student of Romance Languages in Paris and Grenoble, 1905-08.

GEORGIANA GODDARD KING, A.M., *Reader in English and Lecturer in Art.*

A.B., Bryn Mawr College, 1896, and A.M., 1897. Fellow in Philosophy, Bryn Mawr College, 1896-97, and Fellow in English, 1897-98. Collège de France, First Semester, 1898-99.

F. WARREN WRIGHT, PH.D., *Lecturer in Latin.*

A.B., Wesleyan University, 1906; A.M., Harvard University, 1908; Ph.D., Princeton University, 1910. Student, Wesleyan University, 1906-07; Harvard University, 1907-08; Fellow in Classics, Princeton University, 1908-10.

PAUL LELAND HAWORTH, PH.D., *Lecturer in History.*

A.B., University of Indiana, 1899, and A.M., 1901. Ph.D., Columbia University, 1906. Teacher of History in the Michigan Northern State Normal School, 1901-02; Tutor in History, Teachers College, Columbia University, 1904-06; Lecturer in History, Columbia University, Semester I, 1906-07.

HARRY BATEMAN, M.A., *Lecturer in Mathematics.*

Manchester, England. M.A., University of Cambridge; Graduate in Honours (Senior Wrangler, bracketed) in the Cambridge Mathematical Tripos, 1903, and First Division, First Class, Mathematical Tripos, Part II, 1904; Smith's Prizeman, 1905; Fellow of Trinity College, Cambridge; Student in Göttingen and Paris, 1905-06; Lecturer in Mathematics, University of Liverpool, 1906-07; Reader in Mathematical Physics, Manchester University, 1907-10.

C. LEONARD WOOLLEY, M.A., *Non-Resident Lecturer in Egyptian Art.*

Danbury, Essex, England. B.A., University of Oxford, 1903 and M.A., 1907. Open Scholar of New College, Oxford, 1899. Litterae Humaniores, 1903; Theological School, 1904. Assistant Keeper of the Ashmolean Museum, Oxford, 1905; Assistant Curator in Egyptian Department, University Museum, Philadelphia, 1907; conducting excavations in Nubia, 1907-10.

SAMUEL MOORE, A.M., *Lecturer (elect) in English Philology.*

A.B., Princeton University, 1899; A.M., 1908. Instructor in English, University of Kansas, 1907-08; Townsend Scholar, Harvard University, 1909-10; Weld Scholar in English, Harvard University, 1910-11.

HARRIET RANDOLPH,* Ph.D., *Demonstrator in Biology and Reader in Botany.*

A.B., Bryn Mawr College, 1889; Fellow in Biology, Bryn Mawr College, 1889-90; University of Zürich, 1890-92; Ph.D., University of Zürich, 1892.

REGINA KATHARINE CRANDALL, Ph.D., *Reader in English.*

A.B., Smith College, 1890; Ph.D., University of Chicago, 1902. Graduate Student, University of Chicago, 1893-94, and Fellow in History, 1894-96; Assistant in History, Smith College, 1896-99; Instructor in History, Wellesley College, 1899-1900.

ABBY KIRK, A.B., *Reader in Elementary Greek.*

A.B., Bryn Mawr College, 1892. Reader in English, Bryn Mawr College, 1892-98.

LILLIE DEMING LOSHE, Ph.D., *Reader in English.*

A.B., Bryn Mawr College, 1899; A.M., Columbia University, 1903, and Ph.D., 1908. Graduate Student, Barnard College, 1899-1900; Columbia University, 1901-04, First Semester, 1904-05, and 1905-07.

EMMA HAEBERLI, Ph.D., *Reader in Elementary French.*

Berne, Switzerland. Ph.D., University of Berne, 1903. Graduate Student, University of Berne, and Tutor in French and German, 1904-05, 1906-09; Instructor in French and German, Virginia College, Roanoke, Va., 1909-10.

MARTHA PLAISTED, A.B., *Reader in English.*

A.B., Bryn Mawr College, 1908. Instructor in English, Sweet Briar College, 1908-10.

MARY JEFFERS, A.M., *Reader in Elementary German.*

A.B., Bryn Mawr College, 1895, and A.M., 1897. Graduate Student, Bryn Mawr College, 1895-98, 1903-04, 1906-07; Teacher of Latin in the Misses Shipley's School, Bryn Mawr, 1895-98; Student at the Universities of Munich and Halle, 1898-99; Teacher of Latin and History in the Girls' Latin School, Baltimore, Md., 1900-01; Head of the Latin Department in the Misses Shipley's School, Bryn Mawr, 1897-1907; Student, University of Bonn, summer of 1895; Private Tutor, 1892-1911; Supervisor of Greek, Latin, German and History Departments, Brantwood Hall, Bronxville, Lawrence Park, N. Y., 1905-07.

MARGARET GRACE SKINNER, M.A., *Reader in English.*

Bedford, England. Girton College, University of Cambridge, England, 1902-06; Graduate in Honours, Modern and Mediaeval Languages Tripos, Part I, 1905; Part II, 1906. M.A., Trinity College, Dublin, 1908. Teacher of English, Rosemary Hall, Greenwich, Conn., 1907-10.

FRANCES D'ARCY THOMPSON, M.A., *Reader in Latin.*

Dublin, Ireland. Girton College, University of Cambridge, England, 1903-06; Graduate in Honours, First Class, Cambridge Classical Tripos, 1906; M.A., Royal University of Ireland, 1907; Examiner in Latin, Royal University of Ireland, 1907-08; Classical Mistress, High School, Portsmouth, England, 1906-08; Classical Teacher, Rosemary Hall, Greenwich, Conn., 1908-10.

EDNA ASTON SHEARER, A.B., *Reader in English.*

A.B., Bryn Mawr College, 1904; Junior Fellow in Philosophy, Bryn Mawr College, 1904-05; Holder of the President's Fellowship and Student, Universities of Edinburgh and Aberdeen, 1905-06; Fellow in Philosophy, Bryn Mawr College, 1906-07; Teacher of English in the Baldwin School, Bryn Mawr, Pa., 1907-09, and Graduate Student, Bryn Mawr College, 1907-08.

LILY ROSS TAYLOR, A.B., *Reader and Demonstrator in the History of Art and Classical Archæology.*

A.B., University of Wisconsin, 1906. Scholar in Latin, Bryn Mawr College, 1906-07; Fellow in Latin, 1907-08; Reader in Latin and Graduate Student, 1908-09; University of Chicago, Summer Quarter, 1907; University of Bonn, Summer Semester, 1909; American School of Classical Studies in Rome, 1909-10.

* Granted leave of absence from December, 1910, to June, 1911.

ELLWOOD AUSTIN WELDEN, Ph.D., *Non-Resident Reader in Italian.*

B.S., University of Pennsylvania, 1903, and Ph.D., 1906. Harrison Scholar in Indo-European Philology, University of Pennsylvania, 1903-04; Fellow, 1904-06; University of Berlin, Summer Semester, 1905; Shattuck Scholar in Indic Philology, Harvard University, 1906-07; Student in Paris and Bologna, 1909-10.

GERTRUDE LANGDEN HERITAGE, A.M., *Demonstrator in Chemistry.*

A.B., Bryn Mawr College, 1896, and A.M., 1899. Graduate Student in Chemistry, Bryn Mawr College, 1896-97, 1898-1900, and Graduate Student in Mathematics and Chemistry, 1897-98.

MABEL KATHRYN FREHAFFER, A.B., *Demonstrator in Physics.*

A.B., Bryn Mawr College, 1908. Graduate Student, University of Wisconsin, 1908-09; Fellow in Physics, Bryn Mawr College, 1909-10.

ABIGAIL CAMP DIMON, A.M., *Demonstrator in Biology.*

A.B., Bryn Mawr College, 1896, and A.M., 1899. Vice-Principal of the High School, Clinton, N. Y., 1896-97; Assistant Teacher of English in the Utica Academy, 1897-98; Graduate Student, Bryn Mawr College, 1898-99; Tutor, 1900-01; Graduate Student and Warden of Radnor Hall, Bryn Mawr College, 1901-04; Teacher of Science in the Balliol School, Utica, 1904-05, and of Science and Mathematics, 1905-08; Teacher in the New School, Utica, 1908-09.

ANNA BELL LAWTHER, A.B., *Secretary of the College.*

A.B., Bryn Mawr College, 1897. Assistant Bursar, Bryn Mawr College, 1898-1900; Graduate Student, Bryn Mawr College, 1898-99, 1904-05; Warden of Merion Hall, 1904-05.

EDITH ORLADY, A.B., *Recording Secretary.*

A.B., Bryn Mawr College, 1902. Warden of Pembroke Hall West, 1903-05, and Warden of Rockefeller Hall, 1905-06; Graduate Student, Bryn Mawr College, 1903-06, 1907-09.

MARY LETITIA JONES, B.L., B.L.S., *Librarian.*

B.L., University of Nebraska, 1885; B.L.S., New York State Library School, 1892. Acting Librarian and Adjunct Professor of Bibliography, University of Nebraska, 1892-97; Librarian and Assistant Professor of Library Economy, University of Illinois, 1897; Classifier, Iowa State University, 1898; Second Assistant Librarian, Los Angeles Public Library, 1898-99, and Librarian, 1900-05.

CONSTANCE M. K. APPLEBEE, Director of Athletics and Gymnastics.

Licentiate, British College of Physical Education, 1898, and Member, 1899. Gymnasium Mistress, Girls' Grammar School, Bradford, Yorkshire, 1899-1900; in the Arnold Foster High School, Burnley, Yorkshire, 1899-1901; in the High School, Halifax, Yorkshire, 1900-01; Head of Private Gymnasium, Ilkley, Yorkshire, 1899-1901; Harvard School of Physical Training, Summer, 1901; Hockey Coach, Vassar College, Wellesley College, Radcliffe College, Mt. Holyoke College, Smith College, Bryn Mawr College, Boston Normal School of Gymnastics, 1901-04; Hockey Coach, Harvard Summer School of Gymnastics, 1906.

ELIZABETH LAWRENCE GRAY, Assistant Director of Athletics and Gymnastics.

Graduate, Sargent Normal School of Physical Education, Boston, Mass., 1908. Student, Gilbert Summer Normal School of Classic Dancing, 1908; Instructor in Gymnastics, Playgrounds, Cambridge, Mass., Summer, 1908, 1909.

MARY ELLEN BAKER, A.B., B.L.S., *Head Cataloguer.*

A.B., Lincoln University, 1900. B.L.S., New York State Library School, 1908. Assistant in Latin, Missouri Valley College, 1901-05, and Librarian, 1902-06. Illinois State Library School, 1906-07; New York State Library School, 1907-08.

BESSIE HOMER JENNINGS, Assistant Cataloguer.

Graduate, Drexel Institute Library School, 1900.

MARY WARREN TAYLOR, Secretary to the Director of Athletics and Gymnastics.

THOMAS F. BRANSON, M.D., *Physician in Chief of the College.*

A.B., Haverford College, 1889; M.D., University of Pennsylvania, 1892.
Attending Physician, Bryn Mawr Hospital.

ANNE HEATH THOMAS, A.M., M.D., *Visiting Physician of the College.*

A.B., Bryn Mawr College, 1897, and A.M., 1898. M.D., Woman's Medical College of Pennsylvania, 1905. Graduate Scholar in Physics and Biology, Bryn Mawr College, 1897-98; Teacher of Chemistry in the State Normal School, Trenton, N. J., 1898-1902; Student, Woman's Medical College of Pennsylvania, 1902-05; Interne, Woman's Hospital of Philadelphia, 1905-06; Resident at the Evening Dispensary for Working Women and Girls, Baltimore, Md., and Graduate Student in Medicine, Johns Hopkins University, 1906-07; Physician, Registrar and Assistant in Clinic in the Woman's Hospital, Philadelphia, and Assistant in Clinic in the Hospital of the Woman's Medical College of Pennsylvania, 1907-08; Instructor in Therapeutics and Physical Diagnosis, Woman's Medical College, and Assistant Visiting Physician, Bryn Mawr College, 1908-09.

HELEN MURPHY, M.D., *Examining Oculist.*

M.D., Woman's Medical College of Pennsylvania, 1893; Assistant Demonstrator in Histology, Woman's Medical College of Pennsylvania, 1894-96; Instructor in Materia Medica, 1896-1902; Instructor in Diseases of the Eye, Philadelphia Polyclinic and College for Graduates in Medicine, 1895-97.

The following physicians have consented to serve as consultants in special cases:

ELLA B. EVERITT, M.D., 1807 Spruce Street, Philadelphia, *Consultant Gynecologist.*

JOHN H. MUSSER, M.D., 1927 Chestnut Street, Philadelphia, *Consultant Physician.*

GEORGE DE SCHWEINITZ, M.D., 1705 Walnut Street, Philadelphia, *Consultant Oculist.*

ROBERT G. LE CONTE, M.D., 1625 Spruce Street, Philadelphia, *Consultant Surgeon.*

FRANCIS R. PACKARD, M.D., 304 S. Nineteenth Street, Philadelphia. *Consultant Aurist.*

JAMES K. YOUNG, M.D., 222 S. Sixteenth Street, Philadelphia, *Consultant Orthopædist.*

The Academic Committee of the Alumnæ.

LOUISE BROWNELL SAUNDERS, A.B. (Mrs. Arthur Percy Saunders).
Chairman, CLINTON, N. Y.

HELEN J. ROBINS, A.B. (*Secretary*), 23 Gowen Avenue, Mt. AIRY,
PHILADELPHIA.

LOUISE PARKE ATHERTON DICKEY, A.B. (Mrs. Samuel Dickey), 10
Chalmers Place, CHICAGO, ILL.

ELIZABETH WINSOR PEARSON, A.B. (Mrs. Henry Greenleaf Pearson),
DUDLEY ROAD, NEWTON CENTRE, MASS.

SUSAN FOWLER, A.B. (*ex-officio*), 420 West 118th Street, NEW YORK
CITY.

BERTHA HAVEN PUTNAM, PH.D., *Mt. Holyoke College, SOUTH HADLEY, MASS.*

GERTRUDE ELIZABETH DIETRICH SMITH, A.B. (Mrs. Herbert Knox Smith), *THE HIGHLANDS, WASHINGTON, D. C.*

NELLIE NEILSON, PH.D., *Mt. Holyoke College, SOUTH HADLEY, MASS.*

Honorary Corresponding Secretaries.

The following honorary corresponding secretaries, all of whom are graduates of Bryn Mawr College, have kindly consented to act as representatives of the college in the cities in which they live, and will at any time be glad to answer questions about the college.

NEW YORK CITY: MISS EMILY REDMOND CROSS, *6 Washington Square.*

PHILADELPHIA: MRS. ADOLPH E. BORIE, *618 S. Washington Square.*

BALTIMORE: MRS. ANTHONY MORRIS CAREY, *1004 Cathedral Street.*

PITTSBURGH, PA.: MRS. JOHN BRUCE ORR, *628 Maple Lane, Sewickley, Pa.*

SCRANTON, PA.: MISS ALICE BELIN.

SYRACUSE, N. Y.: MRS. FREDERICK A. SAUNDERS, *504 Ostrom Avenue*

UTICA, N. Y.: MRS. ARTHUR PERCY SAUNDERS, *Clinton, N. Y.*

NEW HAVEN, CONN.: MISS ELIZABETH DAY SEYMOUR, *141 Linden Street.*

BOSTON, MASS.: MRS. INGERSOLL BOWDITCH, *19 Buckingham Street, Cambridge.*

FALL RIVER, MASS.: MRS. RANDALL NELSON DUFEE, *435 Cherry Street.*

WASHINGTON, D. C.: MRS. HERBERT KNOX SMITH, *The Highlands.*

CHICAGO, ILL.: MISS ETHEL EUGENIE HOOPER, *1210 Astor Street.*

INDIANAPOLIS, IND.: MRS. FRANK NICHOLS LEWIS, *4 West St. Joe Street.*

MADISON, WIS.: MRS. MOSES STEPHEN SLAUGHTER, *633 Francis Street.*

MINNEAPOLIS, MINN.: MISS MARGARET WASHBURN, *2218 First Avenue, South.*

ST. LOUIS, MO.: MRS. GEORGE GELLHORN, *3871 Washington Avenue.*

PORTLAND, ORE.: MRS. HENRY MINOR ESTERLY, *376 North 31st Street.*

LOS ANGELES, CAL.: MISS ELIZABETH DANA MARBLE, *3201 Figueroa Street.*

SALT LAKE CITY, UTAH: MISS KATE WILLIAMS, *177 13th East Street.*

ENGLAND: THE HON. MRS. BERTRAND RUSSELL, *Bagley Wood, Oxford.*

STUDENTS.

Fellows and Graduate Students, Academic Year, 1910-11.

- BLEY, HELEN MÜLLER**,*Bryn Mawr European Fellow.*
Philadelphia. A.B., Bryn Mawr College, 1910. Student, University of Munich, 1910-11.
- BONTECOU, MARGARET**,*Bryn Mawr European Fellow.*
Orange, N. J. A.B., Bryn Mawr College, 1909. Student, Universities of Munich and Oxford, 1910-11.
- LOWENGRUND, HELEN MOSS**,*Bryn Mawr European Fellow.*
A.B., Bryn Mawr College, 1906, and A.M., 1907. Graduate Scholar in Latin, 1906-07, and in English, 1907-08. Research Student in British Museum, 1910-11.
- SCHENCK, EUNICE MORGAN**,*President's European Fellow.*
Philadelphia. A.B., Bryn Mawr College, 1907. Graduate Student, Bryn Mawr College, 1908-09, and Scholar in French, 1909-10; University of Paris, 1910-11.
- HARRISON, JANE ANNETTA**,
Ottendorfer Memorial Research Fellow in Teutonic Philology.
La Plata, Mo. A.B. and B.S., University of Missouri, 1906, and A.M., 1907. Graduate Student, University of Missouri, 1908-09; Fellow in German, Bryn Mawr College, 1909-10; University of Berlin, 1910-11.
- MACLEOD, ANNIE LOUISE**,*Research Fellow in Chemistry.*
Grace Bay, Nova Scotia. A.B., McGill University, 1904, M.Sc., 1905, and Ph.D., 1910. Demonstrator in Chemistry, McGill University, 1905-08; Assistant in Chemistry, Barnard College, 1908-09; Fellow in Chemistry, Bryn Mawr College, 1909-10.
- COULTER, CORNELIA CATLIN**,*Fellow in Greek.*
Ferguson, Mo. A.B., Washington University, 1907. Graduate Scholar in Latin, Bryn Mawr College, 1907-08, and Fellow in Latin, 1909-10. Holder of the President's European Fellowship and Student, University of Munich, 1908-09.
- FOSTER, ELIZABETH ANDROS**,*Fellow in Latin.*
Sharon, Mass. A.B., Bryn Mawr College, 1908, and A.M., 1909. Graduate Scholar in Latin, Bryn Mawr College, 1908-09, and Reader in Latin and Graduate Student, 1909-10.
- SPALDING, MARY CAROLINE**,*Fellow in English.*
Bryn Mawr, Pa. A.B., Vassar College, 1901. Graduate Student, Bryn Mawr College, 1906-08, and Graduate Scholar, 1908-10; Teacher in the Misses Shipley's School, Bryn Mawr, 1906-10.
- KING, MARIE SEWARD**,*Fellow in German.*
Olivet, Mich. A.B., Olivet College, 1907, and A.M., 1908. Professor of German and French, Des Moines College, 1908-09; Graduate Student, Bryn Mawr College, 1909-10, and Substitute Reader in French, March to June, 1910.
- DAVIS, SARAH WHITE**,*Fellow in History.*
Lapeer, Mich. A.B., Mt. Holyoke College, 1909. Graduate Student, Mt. Holyoke College, 1909-10.
- RAND, MARIE GERTRUDE**,*Fellow in Psychology.*
Brooklyn, New York City. A.B., Cornell University, 1908. Graduate Scholar in Psychology, Bryn Mawr College, 1908-09, and Fellow in Philosophy, 1909-10.
- BOWERMAN, HELEN COX**,*Fellow in Archæology.*
Point Pleasant, N. J. A.B., Mount Holyoke College, 1901; A.M., University of Rochester, 1903. Teacher of English and Latin in the High School, Macedon, N. Y., 1903-05; Instructor in Latin, Western College for Women, Oxford, O., 1905-07; Associate Professor of Latin, 1907-08; Graduate Scholar in Archæology, Bryn Mawr College, 1908-09, and Fellow in Archæology, 1909-10; Studying in Rome, 1910-11.

BRUSSTAR, MARGARET ELIZABETH,*Fellow in Mathematics.*
Philadelphia. A.B., Bryn Mawr College, 1903. Teacher of Latin and Mathematics, Miss Gleim's School, Pittsburgh, Pa., 1903-04; Teacher of Mathematics in the Misses Shipley's School, Bryn Mawr, Pa., 1904-10; Graduate Scholar in Mathematics, Bryn Mawr College, 1907-08, and Graduate Student, 1908-10.

MATHEWS, IRENE MAUD,*Fellow in Physics.*
Sheffield, England. Girton College, University of Cambridge, England, 1906-10. First Class Honours, Cambridge Mathematical Tripos, Part I, 1909, and Part II, 1910.

GRAHAM, MINNIE ALMIRA,*Fellow in Chemistry.*
Lockport, N. Y. A.B., Mt. Holyoke College, 1900, and A.M., University of Michigan, 1906. Fellow in Chemistry, Bryn Mawr College, 1906-07; in charge of Departments of Physics and Chemistry, Lake Erie College, 1907-10.

PINNEY, MARY EDITH,*Fellow in Biology.*
Wilson, Kan. A.B., Kansas State University, 1908, and A.M., 1910. Teaching Fellow in Zoölogy, Kansas State University, 1909-10, and High School Instructor, Alma, Kan., 1909-10.

ASHFORD, ETHEL BRIGHT,*British Graduate Scholar.*
London, England. B.A., London University, 1906. Social Study Diploma, Birmingham University, 1909. Resident Scholar, Woodbrooke College, 1908-09; Student, London School of Economics, 1909-10.

DISMORR, MARGARET STEWART,*British Graduate Scholar.*
Harrow on the Hill, England. Newnham College, University of Cambridge, England, 1907-10. First Class Honours, Cambridge Mediæval and Modern Languages Tripos, 1910.

HATTERSLEY, MABEL,*British Graduate Scholar.*
Harrowgate, England. Student, Royal College of Science, South Kensington, England, 1900-04; Bedford College, London, 1904-05, and King's College, London, 1908-09. Associate, Royal College of Science, 1904. Head Science Instructor, Old Palace School, Croydon, 1905-06; Instructor in Chemistry, Datchelor College, Camberwell, 1906-08.

HUDSON, HILDA PHOEBE,*British Graduate Scholar.*
Cambridge, England. Newnham College, University of Cambridge, England, 1900-04. First Class Honours, Cambridge Mathematical Tripos, Part I, 1903; Part II, 1904. Berlin University, Winter Semester, 1904-05. M.A., Trinity College, Dublin, 1906; Staff Lecturer in Mathematics, Newnham College, 1905-10.

KLEIN, ELISABETH,*German Graduate Scholar.*
Göttingen, Germany. University of Göttingen, 1908-10.

ADAMS, EDITH,*Graduate Scholar in Greek.*
Philadelphia. A.B., Wellesley College, 1908. Librarian in Y. W. C. A. Library, New York City, 1902-05; Utica Free Library, 1909-10.

ALBEE, MARIA HAWES,*Greek.*
Killingly, Conn. A.B., Bryn Mawr College, 1904; Graduate Student in Greek and Archæology, Yale University, 1904-05, and in Latin and Archæology, 1905-06; Instructor in German and History in the High School, New Haven, Conn., 1904-05, and in German and Latin, 1905-06, 1907-09; Head of the Classical Department and Assistant Principal, Tudor Hall, Indianapolis, Ind., 1906-07; Assistant in the Secretary's Office, Yale University, 1908-09; Teacher of Latin in Miss Wright's School, Bryn Mawr, Pa., 1909-11.

BAKER, MARY ELLEN,*Italian.*
Decatur, Ill. A.B., Lincoln University, 1900. B.L.S., New York State Library School, 1908; Assistant in Latin, Missouri Valley College, 1901-05, and Librarian, 1902-06. Illinois State Library School, 1906-07; New York State Library School, 1907-08.

- BARTHOLOMEW, MARY ELEANOR, *English*.
Chicago, Ill. A.B., Bryn Mawr College, 1909. Teacher of English in the Baldwin School, Bryn Mawr, Pa., 1909-11; Graduate Student, Bryn Mawr College, 1909-10.
- BEEBE, MARGARET HYDE, *Greek and Archaeology*.
Marysville, Kan. A.B., Kansas University, 1910.
- BOYER, MARTHA GETZ, *Mathematics*.
Harrisburg, Pa. A.B., Bryn Mawr College, 1909. Graduate Student, Bryn Mawr College, 1909, 1910-11; Teacher of Mathematics in Mrs. Chapman and Miss Jones' School, Chestnut Hill, Philadelphia, 1909-11.
- BURNELL, BESSIE MAY, *Scholar in Physics*.
Greenwich, O. A.B., Lake Erie College, 1908. University of Michigan, Summer School, 1909. Instructor in Physics and Mathematics, Emerson Institute, Mobile, Ala., 1908-09, and in Lake Erie College, 1909-10.
- BYRNE, ALICE HILL, *Graduate Scholar in Greek*.
Lancaster, Pa. A.B., Wellesley College, 1908. Teacher of Latin and Greek in the Union High School, Coleraine, Pa., 1894-96, and Principal, 1899-1900; in Mrs. Blackwood's School, Lancaster, 1896-99, and 1900-01; Associate Principal and Teacher of Latin and Greek in Miss Stahr's School, Lancaster, 1901-05; Principal of the Shippen School, Lancaster, 1905-09; Teacher of Latin and Greek in Miss Hills's School, Philadelphia, 1909-11.
- CALDERHEAD, IRIS GALLANT, *English*.
Marysville, Kan. A.B., Kansas University, 1910.
- CAMPBELL, ANNIE CATHERINE, ... *History, Economics, and Philosophy*.
Mechanicsburg, Pa. A.B., Irving College, 1907. Graduate Student, Bryn Mawr College, 1908-09.
- CARROLL, MARIE JOSEPHINE, *Scholar in History*.
Columbus, O. A.B., Ohio State University, 1909, and A.M., 1910.
- CHUBB, ETHEL LEIGH, *Latin*.
West Toronto, Canada. A.B., University of Toronto, 1906, and M.A., 1909; Lecturer in Westminster College, Toronto, 1906-09. Graduate Scholar in Latin and Greek, Bryn Mawr College, 1909-11.
- COLE, ANNA LEWIS, *Fellow by Courtesy*.
Baltimore, Md. A.B., Woman's College of Baltimore, 1892, and A.M., 1894. Student in English and French, Sorbonne, 1894-95; Fellow in Romance Languages, Bryn Mawr College, 1895-96; Head Teacher of Modern Languages, Winthrop Normal and Industrial College, Rock Hill, S. C., 1897-1903, 1904-05; Fellow in Romance Languages, University of Chicago, 1903-04; Head of French Department, Friends' Central School, Philadelphia, 1905-07; Graduate Student, Bryn Mawr College and University of Pennsylvania, 1906-07; Teacher of French in Sweet Briar Institute, Sweet Briar, Va., 1907-08, and Head of French Department, 1908-10; Teacher of French, Girls' High School, Philadelphia, 1910-11.
- COLLINS, RUTH, *Graduate Scholar in Psychology*.
Pitman Grove, N. J. A.B., Bryn Mawr College, 1910. Instructor in English, Drexel Institute, Philadelphia, 1910-11.
- CRIGHTON, LUCILLE, *English and Comparative Literature*.
Gulfport, Miss. A.B., Mississippi State College for Women, 1910.
- D'ARCY THOMPSON, FRANCES, *Greek, Latin and German*.
Dublin, Ireland. Girton College, University of Cambridge, England, 1903-06. Graduate in Honours, first class, Classical Tripos, Part I, 1906. M.A., Royal University of Ireland, 1907; Examiner in Latin, Royal University of Ireland, 1907-08; Classical Mistress in the High School, Portsmouth, England, 1906-08; Classical Teacher, Rosemary Hall, Greenwich, Conn., 1908-10; Reader in Latin, Bryn Mawr College, 1910-11.
- DIXON, ALICE LOUISE, *Guilford College Scholar*.
Yadkinville, N. C. A.B., Guilford College, 1910.
- DUNBAR, RUTH JULIETTE, *Mathematics*.
Ashtabula, O. A.B., Lake Erie College, 1910.

- FOSTER, FRANCES ALLEN, *Graduate Scholar in English.*
Providence, R. I. A.B., Brown University, 1909. Scholar in English, Bryn Mawr College, 1909-10.
- FOWLER, LAURA, *History.*
Parkersburg, W. Va. A.B., Bryn Mawr College, 1901. Teacher of Mathematics, Mrs. Chapman and Miss Jones's School, Chestnut Hill, Philadelphia, 1901-02; Teacher of Mathematics and Latin in the High School, Parkersburg, 1903-05; Private Tutor, 1908-09; Assistant to the Principals, the Misses Shipley's School, Bryn Mawr, Pa., 1910-11.
- FREHAFFER, MABEL KATHRYN, *Mathematics and Physics.*
Philadelphia. A.B., Bryn Mawr College, A.M.; University of Wisconsin, 1909. Graduate Student in Physics, University of Wisconsin, 1908-09; Fellow in Physics, Bryn Mawr College, 1909-10, and Demonstrator in Physics, 1910-11.
- GILROY, HELEN TURNBULL, *Physics.*
Philadelphia. A.B., Bryn Mawr College, 1909.
- HARPER, ETHEL, *History and Economics.*
New York City. Prepared by the Brearley School, New York City, and by private tuition. A.B., Bryn Mawr College, 1907.
- HEGE, FLORA BARBARA, *English, German, French and History.*
Emporia, Kan. A.B., Emporia College, 1909.
- HEMPERLY, CATHARINE, *Mathematics, Physics and Chemistry.*
Harrisburg, Pa. A.B., Mt. Holyoke College, 1910.
- HOPKINS, EDNA, *French.*
Topeka, Kan. A.B., Kansas State University, 1910.
- HOWSON, EMILY ELIZABETH, *Mathematics and Physics.*
Philadelphia. A.B., Bryn Mawr College, 1910.
- HUFF,* HELEN ELIZABETH, *Fellow by Courtesy.*
Bryn Mawr, Pa. A.B., Dickinson College, 1903, and A.M., 1905; Ph.D., Bryn Mawr College, 1908. Graduate Scholar in Mathematics, Bryn Mawr College, 1903-04, and Graduate Student in Physics, 1907-08, 1909-11; Fellow in Physics, Bryn Mawr College, 1904-05; Holder of the Mary E. Garrett European Fellowship and Student, University of Göttingen, 1905-06; Demonstrator in Physics, Bryn Mawr College, 1906-07; Teacher in the Baldwin School, Bryn Mawr, 1907-08; Reader in Mathematics, Bryn Mawr College, Second Semester, 1909-10.
- HUNTER, MARY JO., *German, French, History and Archæology.*
Prall, Kan. A.B., Emporia College, 1908. Teacher of English and Latin, Kingman County High School, Kingman, Kan., 1908-10.
- JAMES, ELEANOR, *Latin.*
Philadelphia. A.B., Bryn Mawr College, 1902. Teacher in Public School, Milford, Del., 1902-03, Teacher of Latin in Miss Gleim's School, Pittsburgh, Pa., 1903-04, of Latin and English, 1904-05, and of Latin, 1905-08; Graduate Student, Bryn Mawr College, First Semester, 1908-09, and Graduate Scholar, 1909-10; Head of Latin Department in the Misses Shipley's School, Bryn Mawr, Pa., 1909-10.
- JONAS, ANNA ISABEL, *Geology.*
Bridgeton, N. J. A.B., Bryn Mawr College, 1904, and A.M., 1905. Graduate Student, Bryn Mawr College, 1904-05, 1910-11, Graduate Scholar in Geology, 1905-06, and Assistant Curator of Geological Museum, 1908-09.
- JONES, JOSEPHINE MARGARETTA, *Latin and History.*
Philadelphia. A.B., Bryn Mawr College, 1905. Teacher of English and Latin in Radnor College, Nashville, Tenn., 1907-08.

* Mrs. William Bashford Huff.

- KEILLER, MABEL MATHEWSON,*Scholar in English*.
Narberth, Pa. A.B., Bryn Mawr College, 1908. Private Tutor, 1908-09.
Graduate Student, Bryn Mawr College, 1909-10.
- KISSICK, EMILY KENT,*Penn College Scholar*.
Oskaloosa, Ia. A.B., Penn College, 1910.
- LEWIS, NORA,*Scholar in Latin*.
Balmy Beach, Toronto, Canada. A.B., University of Toronto, 1908. Teacher
in Westminster College, Toronto, 1908-10.
- LIPPOLDT, GENEVIEVE LOUISE,*English and Education*.
Boulder, Colo. A.B., University of Colorado, 1909.
- MASON, MARY TAYLOR,*Chemistry and Biology*.
Germantown, Philadelphia. A.B., Bryn Mawr College, 1892. Graduate
Student, Bryn Mawr College, 1892-94, 1909-10; Teacher of History in Mrs.
E. L. Head's School, 1892-93, 1897-98; Member of School Board, 38th
Section, Philadelphia, 1896-99, and of the Board of Education, 1899-1903.
- MAY, L. ISABELLE,*Biblical Literature and Education*.
Boston, Mass. A.B., Radcliffe College, 1899.
- NEWKIRK,* ALICE MAYNARD FIELD,*Psychology and Biology*.
Bryn Mawr, Pa. A.B., University of Cincinnati, 1899. Substitute Teacher
in the High and Grammar Schools, Detroit, Mich., 1900-01.
- NORRIS, BERTHA CORNELIA,*Scholar in Latin*.
Torrington, Conn. A.B., Bryn Mawr College, 1904. Teacher of Latin and
Greek and Head of the Department of Ancient Languages, Irving College,
1904-06; Teacher in Miss Mason's School, Tarrytown, N. Y., 1906-07;
Head of Miss Norris's School, Germantown, 1907-10; Reader in Latin, Bryn
Mawr College, 1907-08; Reader in Latin for the College Entrance Examin-
ation Board, 1908.
- NORRIS, MARY RACHEL,*History and Archaeology*.
Torrington, Conn. A.B., Bryn Mawr College, 1906. Teacher of English in
the Veltin School, New York City, 1906-07; Teacher in Miss Norris's
School, Germantown, 1907-10, and Private Tutor, 1908-10.
- PEEBLES, FLORENCE,*Fellow by Courtesy*.
Bryn Mawr, Pa. A.B., Woman's College of Baltimore, 1895, and Ph.D.,
Bryn Mawr College, 1900. Graduate Scholar in Biology, Bryn Mawr Col-
lege, 1895-96; Fellow in Biology, 1896-97, and Graduate Student, 1897-
98, 1903-04, 1906-11; Holder of the Mary E. Garrett European Fellowship,
Scholar of the Woman's Table and Student in Biology, Zoological Station,
Naples, Universities of Munich and Halle, 1898-99; Instructor in Biology,
Woman's College of Baltimore, 1899-1902; and Associate Professor of
Biology, 1902-06; Teacher of Science in Miss Wright's School, Bryn Mawr,
1906-07; Assistant Demonstrator in Biology, Bryn Mawr College, 1907-10.
- PENNELL, HANNAH SHARPLESS,*Graduate Foundation Scholar*.
Wawa, Pa. A.B., Cornell University, 1906. Teacher in the Westtown
Boarding School, 1898-1900, 1903-05, 1906-09.
- PLAISTED, MARTHA,*English*.
Bryn Mawr, Pa. A.B., Bryn Mawr College, 1908. Teacher of English in
Sweet Briar College, 1908-10; Reader in English, Bryn Mawr College,
1910-11.
- POND, MILLICENT,*Scholar in Mathematics*.
State College, Pa. A.B., Bryn Mawr College, 1910.
- RAGSDALE, VIRGINIA,*Fellow by Courtesy*.
Bryn Mawr, Pa. S.B., Guilford College, 1892. Graduate Scholar in Mathe-
matics, Bryn Mawr College, 1892-93, and Graduate Student, Bryn Mawr
College, 1893-97. A.B., Bryn Mawr College, 1896; Ph.D., 1906. Holder of
the Bryn Mawr European Fellowship and Assistant Demonstrator in
Physics, Bryn Mawr College, 1896-97; Student, University of Göttingen,

- 1897-98; Teacher of Science and Mathematics in the Bryn Mawr School, Baltimore, Md., 1898-1900, and Assistant Teacher of Mathematics, 1900-01; Holder of Fellowship of the Baltimore Association for the Promotion of the University Education of Women, Graduate Scholar, and Fellow by Courtesy in Mathematics, Bryn Mawr College, 1901-02; Fellow in Mathematics, Bryn Mawr College, 1902-03; Teacher of Mathematics in Dr. J. Sachs's School for Girls, New York City, 1903-05; Teacher of Mathematics in the Baldwin School, Bryn Mawr, Pa., 1906-11, and Reader in Mathematics, Bryn Mawr College, 1908-10.
- RANNELLS, SARAH WILEY, *English, German, French and Archæology.* Wilmington, O. A.B., Wilmington College, 1910.
- REYNOLDS, MAUDE ELIZABETH,*Earlham College Scholar.* Richmond, Ind. A.B., Earlham College, 1910.
- RICHARDS, ANNABELLA ELLIOTT,*Biology.* Merion, Pa. A.B., Bryn Mawr College, 1907. Graduate Scholar in Chemistry, 1908-09, and Graduate Student, Bryn Mawr College, 1909-10; Teacher of Physiology in the Girls' High School, Philadelphia, 1910-11.
- RIEGEL, ELLA,*Italian and Spanish.* Wilmington, Del. A.B., Bryn Mawr College, 1889.
- ROBERTS, LOUISE ELIZABETH,*Greek and Philosophy.* Philadelphia. A.B., Bryn Mawr College, 1908. Teacher of Languages in the Friends' Academy, Moorestown, N. J., 1908-10; Private Tutor and Graduate Student, Bryn Mawr College, 1910-11.
- ROE, ADAH BLANCHE,*Scholar in German.* Omaha, Neb. A.B., Woman's College of Baltimore, 1909. Scholar in German, Bryn Mawr College, 1909-10.
- SANDISON, HELEN ESTABROOK,*Fellow by Courtesy and Scholar in English.* Terre Haute, Ind. A.B., Bryn Mawr College, 1906, and A.M., 1907. Graduate Scholar, Bryn Mawr College, 1906-07; Assistant Principal of the High School, Brookville, Ind., 1907-08; Fellow in English, Bryn Mawr College, 1908-09; Special European Fellow and Student, University of Oxford, 1909-10.
- SKINNER, MARGARET GRACE,*English.* Bedford, England. Girton College, University of Cambridge, 1902-06; Mediæval and Modern Languages Tripos, Part I., 1905, Part II., 1906. M.A., Trinity College, Dublin, 1908. Teacher of English, Rosemary Hall, Greenwich, Conn., 1909-10; Reader in English, Bryn Mawr College, 1910-11.
- SLEEPER, IDA ALICE,*Biblical Literature.* Lowell, Mass. A.B., Radcliffe College, 1903, and A.M., 1904. Teacher of Latin and English in the High School, Wrentham, Mass., 1904-05; in the Waynelete School, Portland, Me., 1905-09; in Mt. Ida School, Newton, Mass., 1909-10; and in the Misses Shipley's School, Bryn Mawr, Pa., 1910-11.
- SMITH, EUNICE CLARA,*Fellow by Courtesy.* Pawtucket, R. I. A.B., Brown University, 1907, and A.M., 1909. Fellow in English, Bryn Mawr College, 1909-10.
- SMITH, HILDA WORTHINGTON,*Philosophy and Economics.* New York City. A.B., Bryn Mawr College, 1910.
- VOSBURGH, ISABELLA MARION,*Scholar in Chemistry.* Oak Park, Ill. A.B., Mt. Holyoke College, 1910.
- WEEKS, EULA ADELINE,*Fellow by Courtesy.* Butler, Mo. A.B., and B.S., University of Missouri, 1908, and A.M., 1909. Teacher in the High School, Rich Hill, Mo., 1901-05; Fellow in Mathematics, Bryn Mawr College, 1909-10.

- WEUSTHOFF, ANNA SOPHIE, *Fellow by Courtesy*.
 New York City. A.B., Woman's College of Baltimore, 1906. Graduate Student in Teutonic Philology, Bryn Mawr College, 1906-07; Ottendorfer Research Fellow in Teutonic Philology and Student, University of Berlin, 1907-09; Alumnae Fellow of Goucher College and Graduate Student of Bryn Mawr College, 1909-10; Teacher of German in the Misses Shipley's School, Bryn Mawr, Pa., 1910-11.
- WHITFIELD, ALLEN, *English, German, French and Archaeology*.
 Meridian, Miss. A.B., Mississippi State College for Women, 1910.
- WOODWARD,* MADALENE HERBY, *Economics and Politics*.
 Haverford, Pa. A.B., Barnard College, 1901.

Former Holders of European Fellowships.

- BALCH, EMILY GREENE, Prince Street, Jamaica Plain, Mass.
 Holder of the Bryn Mawr European Fellowship, 1889-90. A.B., Bryn Mawr College, 1889, group, Greek and Latin. Student in Political Science, Conservatoire des Arts et des Métiers, Paris, and under the direction of Professor Emile Levasseur, 1890-91; University of Chicago, 1895; University of Berlin, 1895-96; Member of Board of Trustees for Children of the City of Boston, 1897-98; Assistant in Economics, Wellesley College, 1896-97, Instructor in Economics, 1897-1903, Associate Professor of Economics and Sociology, 1903-07, and Acting Head of the Department, 1907-11.
- BECKER, AMANDA FREDERICKA, .. 5870 Cabanne Avenue, St. Louis, Mo.
 Holder of the President's European Fellowship, 1903-04. B.Sc., Missouri State University, 1901, and A.M., 1902. Holder of Teaching Fellowship, Missouri State University, 1901-02; Graduate Scholar, Bryn Mawr College, 1902-03; Student, University of Göttingen, 1903-04; Teacher of Mathematics in the Yeatman High School, St. Louis, 1904-08, and in the Soldan High School, St. Louis, 1909-11.
- BILLMEYER, HELEN MAY, 250 Midland Avenue, Montclair, N. J.
 Holder of the Bryn Mawr European Fellowship, 1902-03. A.B., Bryn Mawr College, 1902, group, History and Political Science; University of Berlin, 1903-04; Private Tutor, 1910-11.
- BONTECOU, MARGARET, See page 16.
 Holder of the Bryn Mawr European Fellowship, 1909-10.
- BORING, ALICE MIDDLETON, University Inn, Orono, Me.
 Holder of the Mary E. Garrett European Fellowship, 1907-08. A.B., Bryn Mawr College, 1904, group, Chemistry and Biology, and A.M., 1905, Ph.D., 1910. Graduate Scholar in Biology, and Assistant in the Biological Laboratory, Bryn Mawr College, 1904-05; Moore Fellow in Zoology, University of Pennsylvania, 1905-06; Fellow in Biology, Bryn Mawr College, 1906-07; Instructor in Zoology, Vassar College, 1907-08; Student, University of Würzburg, and Zoological Station, Naples, 1908-09; Instructor in Zoology, University of Maine, 1909-11.
- BOURLAND, CAROLINE BROWN, Peoria, Ill.
 Holder of the Mary E. Garrett European Fellowship, 1900-01. A.B., Smith College, 1893; Ph.D., Bryn Mawr College, 1905, subjects, Spanish, Old French, and Italian. Teacher of French and German in Mrs. Starrett's School, Oak Park, Ill., 1895-96, and in the High School, Peoria, 1896-97; Student, Sorbonne and Collège de France, 1897-98; Fellow in Romance Languages, Bryn Mawr College, 1898-99; Graduate Scholar and Fellow by Courtesy in Romance Languages, Bryn Mawr College, 1899-1900, 1901-02; Student in Romance Languages, Madrid, Spain, 1900-01; Instructor in Spanish and French, Smith College, 1902-06, and Associate Professor, 1906-11.

BREED, MARY BIDWELL,Read Hall, Columbia, Mo.

Holder of the Bryn Mawr European Fellowship, 1894-95. A.B., Bryn Mawr College, 1894, group, Chemistry and Biology. A.M., 1895, and Ph.D., 1901, subjects, Chemistry and Mathematics. Graduate Student and Assistant in the Chemical Laboratory, Bryn Mawr College, 1894-95; Student in Chemistry, University of Heidelberg, 1895-96; Professor of Science, Pennsylvania College for Women, 1897-99; Fellow by Courtesy and Graduate Scholar in Mathematics, Physics, and Chemistry, Bryn Mawr College, 1899-1901; Dean of Women and Assistant Professor of Chemistry, Indiana University, 1901-06; Adviser of Women, University of Missouri, 1906-11; Student in Paris and Italy, 1909-10.

BROOKS, HARRIET,990 Côte St. Luc Road, Montreal, Canada.

Holder of the President's European Fellowship, 1902-03. A.B., McGill University, 1898, and A.M., 1901. Graduate Student, McGill University, 1898-99; Tutor in Mathematics, and Research Student in Physics, Royal Victoria College, 1899-1901; Fellow in Physics, Bryn Mawr College, 1901-02; Student, University of Cambridge, England, 1902-03; Lecturer in Mathematics, Royal Victoria College of McGill University, Montreal, 1903-04; Tutor in Physics, Barnard College, 1904-06; Research Student, Sorbonne, 1906-07.

Married, 1907, *Mr. Frank H. Pitcher*.

BROWNELL, LOUISE SHEFFIELD,Clinton, N. Y.

Holder of the Bryn Mawr European Fellowship, 1893-94. A.B., Bryn Mawr College, 1893, group, Greek and Latin. Student in Greek and English, University of Oxford, England, and University of Leipsic, 1893-94; Graduate Student in Greek, Columbia College, 1894-95, and Graduate Student in English, 1895-96; Graduate Student in Greek and English, Bryn Mawr College, 1896-97; Warden of Sage College, and Lecturer in English Literature, Cornell University, 1897-1900; Associate Head of the Balliol School, Utica, N. Y., 1900-05; Private Tutor, 1905-11.

Married, 1900, *Mr. Arthur Percy Saunders*.

CADY, MARY LOUISE,48 N. Church Street, Decatur, Ga.

Holder of the Mary E. Garrett European Fellowship, 1906-07. A.B. and A.M., Radcliffe College, 1904. Graduate Scholar in Greek, Bryn Mawr College, 1904-05; Fellow in Greek, Bryn Mawr College, 1905-06; Student, University of Berlin, 1906-07; Teacher in the Agnes Scott College, Decatur, Ga., 1907-08, Professor of Greek, 1908-10, and Professor of History, 1910-11.

CLAFLIN, EDITH FRANCES,Monticello Seminary, Godfrey, Ill.

Holder of the Mary E. Garrett European Fellowship, 1899-1900. A.B., Radcliffe College, 1897; Ph.D., Bryn Mawr College, 1906, subjects, Greek and Latin. Graduate Scholar in Greek and Latin, Bryn Mawr College, 1897-98, and Graduate Student, 1898-99; Student at the American School of Classical Studies, Athens, 1899-1900; Private Research Work, Harvard University Library, 1900-01; Instructor in Literature in the Prospect Hill School, Greenfield, Mass., 1901-02, and in Classics and Classical History, 1902-07; Instructor in Greek and Latin, Monticello Seminary, Godfrey, Ill., 1907-11.

COULTER, CORNELIA CATLIN,See page 16.

Holder of the President's European Fellowship, 1908-09.

ELLIS, ELLEN DEBORAH, ...Mt. Holyoke College, South Hadley, Mass.

Holder of the Bryn Mawr European Fellowship, 1901-02. A.B., Bryn Mawr College, 1901, group, History and Political Science. A.M., 1902, and Ph.D., 1905, subjects, Economics and Politics and History. Graduate Student, Bryn Mawr College, 1901-02, 1903-04; Fellow in Economics and Politics, 1904-05; Student, University of Leipsic, 1902-03; Instructor in History, Mt. Holyoke College, 1905-08; Associate Professor and Acting Head of the Department of History, 1908-09; Associate Professor of Pure Economics and Political Science, 1909-11.

EMERY, ANNIE CROSBY,163 George Street, Providence, R. I.

Holder of the Bryn Mawr European Fellowship, 1892-93. A.B., Bryn Mawr College, 1892, group, Greek and Latin, and Ph.D., 1896, subjects, Latin and Greek. Graduate Student, Bryn Mawr College, 1892-93; Student, Univer-

sity of Lelapsic, 1893-94; Secretary to the President, and Graduate Student, Bryn Mawr College, Second Semester, 1894-95, and 1895-96; Dean of Women and Assistant Professor of Classical Philology, University of Wisconsin, 1897-1900; Dean of the Women's College in Brown University, 1900-05; Alumnae Member of the Board of Directors of Bryn Mawr College, 1906-09.

Married, 1905, *Professor Francis Greenleaf Allinson.*

FLEISHER, ELEANOR LOUIE, 1715 Spruce Street, Philadelphia.

Holder of the Bryn Mawr European Fellowship, 1903-04. A.B., Bryn Mawr College, 1903, group, English and German. Graduate Student, Bryn Mawr College, 1903-04; Chairman of Executive Committee, Neighbors' Guild, 1904-06; Graduate Student, Bryn Mawr College, 1906-07.

Married, 1908, *Dr. David Ricsman.*

GILES, ELLEN ROSE, 87 Via Roma, Sassari, Sardinia, Italy.

Holder of the President's European Fellowship, 1897-98. A.B. and A.M., Bryn Mawr College, 1896, group, Greek and Semitic Languages. Graduate Scholar in Semitic Languages, Bryn Mawr College, 1896-97, and Graduate Scholar in Philosophy, 1897-98; Student in Philosophy, University of Berlin, 1898-99, and Sorbonne, 1899; Private Tutor, 1899-1901; Editorial and Journalistic Work, 1901-06.

HALL, EDITH HAYWARD, Woodstock, Conn.

Holder of the Mary E. Garrett European Fellowship, 1903-04. A.B., Smith College, 1899; Ph.D., Bryn Mawr College, 1908, subjects, Archaeology and Greek. Teacher of Greek and History in Woodstock Academy, Woodstock, Conn., 1899-1900; Teacher of Latin and Greek in the Misses Shipley's School, Bryn Mawr, Pa., 1900-01 and 1905-09; Graduate Student, Bryn Mawr College, 1900-01, 1905-09, and Graduate Scholar, 1901-03; Holder of the Agnes Hoppin Memorial Fellowship and Student at the American School of Classical Studies, Athens, 1903-05. Instructor in Archaeology Mount Holyoke College, Second Semester, 1908-09, 1909-11; Member of Expedition of the American School of Classical Studies, Athens to Eastern Crete, 1910, excavating in Eastern Crete, Second Semester, 1910-11.

HAMILTON, EDITH, 1312 Park Avenue, Baltimore, Md.

Holder of the Mary E. Garrett European Fellowship, 1895-96. A.B. and A.M., Bryn Mawr College, 1894, group, Greek and Latin. Fellow in Latin, Bryn Mawr College, 1894-95; Student, Universities of Lelapsic and Munich, 1895-96; Head Mistress of the Bryn Mawr School, Baltimore, 1896-1911.

HAMILTON, MARGARET, 1312 Park Avenue, Baltimore, Md.

Holder of the Bryn Mawr European Fellowship, 1897-98. A.B., Bryn Mawr College, 1897, group, Chemistry and Biology. Sorbonne, 1898-99; Teacher of Science, Bryn Mawr School, Baltimore, 1900-11, and Head of the Primary Department, 1910-11.

HARDY, CORA, 105 East 19th Street, New York City.

Holder of the Bryn Mawr European Fellowship, 1899-1900. A.B., Bryn Mawr College, 1899, group, Latin and French. Student at the Sorbonne, Collège de France and University of Oxford, 1899-1900; Teacher of Greek and English in Ward Seminary, Nashville, Tenn., and Graduate Student, Vanderbilt University, 1902-03; Teacher of English and Literature in St. Timothy's School, Catonsville, Md., 1903-06.

Married, 1906, *Mr. Edwin Seton Jarrett.*

HARMON, ESTHER, The Hattersley, Toledo, O.

Holder of the President's European Fellowship, 1907-08. A.B., University of Michigan, 1906. Graduate Scholar in Teutonic Philology, Bryn Mawr College, 1906-07; Student, University of Berlin, 1907-08; Fellow in German, Bryn Mawr College, 1908-09; Ottendorfer Memorial Research Fellow in Teutonic Philology and Student, University of Munich, 1909-10; Teacher in the High School, Toledo, 1910-11.

HILL, VIRGINIA GREER, 3419 Hamilton Street, Philadelphia.

Holder of the Bryn Mawr European Fellowship, 1907-08. A.B., Bryn Mawr College, 1907, group, Latin and Mathematics. Student, University of Zürich, 1907-08; Teacher of Latin and Mathematics in the Agnes Irwin School, Philadelphia, 1908-11.

LAIRD, ELIZABETH REBECCA,

Mt. Holyoke College, South Hadley, Mass.

Holder of the President's European Fellowship, 1898-99. A.B., University of Toronto, 1896; Ph.D., Bryn Mawr College, 1901, subjects, Physics and Mathematics. Teacher in Ontario Ladies' College, 1896-97; Fellow in Physics, Bryn Mawr College, 1897-98; Student, University of Berlin, 1898-99; Graduate Scholar and Fellow by Courtesy in Mathematics and Physics, Bryn Mawr College, 1900-01; Instructor in Physics, Mount Holyoke College, 1901-03, Acting Head of the Department of Physics, 1903-04, and Professor of Physics, 1904-11.

LANGENBECK, CLARA, 10 Nelson Building, Kemper Lane, Cincinnati, O.

Holder of the President's European Fellowship, 1896-97. Ph.G., Cincinnati College of Pharmacy, 1890; S.B., University of Cincinnati, 1895. Fellow in Biology, Bryn Mawr College, 1895-96; Student, University of Marburg, 1896-98; Professor of Biology, Wells College, 1898-1901; Instructor in the Cincinnati College Preparatory School for Girls, 1901-11.

LEFTWICH, FLORENCE,Biltmore, N. C.

Holder of the Bryn Mawr European Fellowship, 1895-96. Wellesley College, 1884-85. A.B., Bryn Mawr College, 1895, group, French and Latin, and Ph.D., 1906, subjects, Old French, Latin, and Spanish. Student, Sorbonne and Collège de France, 1895-96; Mistress of Modern Languages, Mississippi Industrial Institute and College, Columbus, Miss., 1896-98; Fellow by Courtesy in Romance Languages, Bryn Mawr College, 1898-99; Holder of the European Fellowship of the Baltimore Association for the Promotion of the University Education of Women, and Student, University of Zürich, 1899-1900; Teacher of French in the Bryn Mawr School, Baltimore, Md., 1900-01; Graduate Student, Bryn Mawr College, 1902; Fellow in Romance Languages, Bryn Mawr College, 1902-03.

Married, 1903, *Mr. S. Prioleau Ravenel*.

LEWIS, FLORENCE PARTHENIA, ..2326 N. Charles Street, Baltimore, Md.

Holder of the President's European Fellowship, 1899-1900. A.B., University of Texas, 1897, and A.M., 1898; A.M., Radcliffe College, 1906. Fellow in Philosophy, Bryn Mawr College, 1898-99; Student, Sorbonne and Collège de France, 1899-1900; Teacher in the University Preparatory School, Austin, Tex., 1900-02; Student, University of Texas, 1901-03; Tutor in Mathematics, University of Texas, 1902-05; Fellow of the Baltimore Association for the Promotion of the University Education of Women and Graduate Student, Johns Hopkins University, 1907-09; Instructor in Mathematics, Goucher College, 1910-11.

LEWIS, MAYONE,4324 Pine Street, Philadelphia.

Holder of the Bryn Mawr European Fellowship, 1908-09. A.B., Bryn Mawr College, 1908. Student, Universities of Munich and Paris, 1908-09; Teacher of English, Rosemary Hall, Greenwich, Conn., 1909-11.

LOWENGRUND, HELEN MOSS,

Care of Brown, Shipley & Co., 123 Pall Mall, London, England.

Holder of the Bryn Mawr European Fellowship, 1906-07. A.B., Bryn Mawr College, 1906, group, Latin and English, and A.M., 1907. Graduate Scholar in Latin, Bryn Mawr College, 1906-07; Graduate Scholar in English, 1907-08, and Graduate Student in English, 1909-10; Teacher of History in the Girls' High School, Philadelphia, 1909-10; Research Student in British Museum, 1910-11.

MADDISON, ISABEL,Bryn Mawr, Pa.

Holder of the Mary E. Garrett European Fellowship, 1894-95. University College of South Wales and Monmouthshire, 1885-89; Girton College, University of Cambridge, England, 1889-92; Mathematical Tripos, First Class, 1892; Oxford Mathematical Final Honour School, 1892; B.Sc., University of London, Mathematical Honours, 1893; Ph.D., Bryn Mawr College, 1896, subjects, Mathematics, Applied Mathematics and Physics; A.B., Trinity College, Dublin, 1905. Graduate Student in Mathematics, Bryn Mawr College, 1892-93, and Fellow in Mathematics, 1893-94; Student in Mathematics, University of Göttingen, 1894-95; Assistant Secretary to the President, Bryn Mawr College, 1895-96; Secretary to the President, and Reader in Mathematics, 1896-1904; Assistant to the President, and Reader in Mathematics, 1904-06, and Assistant to the President and Associate in Mathematics, 1906-10; Recording Dean and Assistant to the President, 1910-11.

MARTIN, EMILIE NORTON, ...Mt. Holyoke College, South Hadley, Mass.

Holder of the Mary E. Garrett European Fellowship, 1897-98. A.B., Bryn Mawr College, 1894, group, Latin and Mathematics, and Ph.D., 1901, subjects, Mathematics and Physics, Graduate Student, Bryn Mawr College, First Semester, 1894-95, 1896-97, 1901-02; Teacher of Latin in the Bryn Mawr School, Baltimore, Md., January-June, 1895; Fellow in Mathematics, Bryn Mawr College, 1895-96; Student, University of Göttingen, 1897-98; Fellow by Courtesy in Mathematics, Bryn Mawr College, 1898-99; Teacher of Mathematics in the Misses Kirk's School, Rosemont, Pa., 1899-1900; Private Tutor, 1899-1903; Instructor in Mathematics, Mt. Holyoke College, 1903-04, First Semester, 1904-05, 1907-11; Graduate Student, Bryn Mawr College, and Private Tutor, 1906-07.

MORSE, KATE NILES, ...24 Park Street, Haverhill, Mass.

Holder of the Mary E. Garrett European Fellowship, 1901-02. A.B., Mt. Holyoke College, 1898, and A.M., 1900. Graduate Student, Bryn Mawr College, 1898-99; Fellow in Greek, Bryn Mawr College, 1900-01; Universities of Berlin and Munich, and American School of Classical Studies, Athens, 1901-02; Graduate Student, Radcliffe College, 1903, 1906-07.

NICHOLS, HELEN HAWLEY, ...The Ogontz School, Ogontz, Pa.

Holder of the Mary E. Garrett European Fellowship, 1908-09. A.B., Marletta College, 1906; Ph.D., Bryn Mawr College, 1911, subjects, Hebrew, Aramaic and New Testament Greek. Graduate Student, Bryn Mawr College, 1906-07, and Graduate Scholar in Semitic Languages, 1907-08, 1909-10; Student, University of Oxford, 1908-09.

NOWLIN, NADINE, ...Lawrence, Kan.

Holder of the President's European Fellowship, 1906-07. A.B. and A.M., University of Kansas, 1903. Fellow in Biology, Bryn Mawr College, 1905-06; Demonstrator in Biology, University of Kansas, 1906-08; Graduate Student, University of Munich, 1908-09; Zoological Station, Naples, 1909; Instructor in Zoology, University of Kansas, 1910-11.

PARK, MARION EDWARDS, ...Oberlin, O.

Holder of the Bryn Mawr European Fellowship, 1898-99. A.B., Bryn Mawr College, 1898, group, Greek and English, and A.M., 1899. Graduate Student, Bryn Mawr College, 1898-99; Graduate Student, Autumn Quarter, University of Chicago, 1900-01; American School of Classical Studies, Athens, Greece, 1901-02; Instructor in Classics, Colorado College, 1902-03, 1904-06, and Acting Dean of Women, 1903-04; Teacher of English in Miss Wheeler's School, Providence, R. I., 1906-07, and of Classics, 1907-10.

PARRIS, MARION, ...Bryn Mawr, Pa.

Holder of Bryn Mawr College Research Fellowship, 1906-07. A.B., Bryn Mawr College, 1901, and Ph.D., 1909, subjects, Economics and Politics and Philosophy. Private Tutor, 1901-02; Warden of Summit Grove, Bryn Mawr College, 1902-04, and of Rockefeller Hall, 1904-05; Graduate Student, Bryn Mawr College, 1902-05; Fellow in Economics, Bryn Mawr College, 1905-06; Student, University of Vienna, 1906-07; Reader in Economics and Politics, Bryn Mawr College, 1907-08, and Associate in Economics and Politics, 1908-11.

PEEBLES, FLORENCE, ...See page 20.

Holder of the Mary E. Garrett European Fellowship, 1898-99.

PERKINS, ELIZABETH MARY, 2400 Van Ness Avenue, San Francisco, Cal.

Holder of the Bryn Mawr European Fellowship, 1900-01. A.B., Bryn Mawr College, 1900, group, Greek and Latin, and Ph.D., 1904, subjects, Latin and Greek. Graduate Student, Bryn Mawr College, 1900-01; Student Universities of Berlin and Munich, 1901-02; Fellow in Latin, Bryn Mawr College, 1902-03; Teacher of Latin and German in the Western High School, Washington, 1903-04, of Latin, 1904-05, and of Greek and Latin, 1905-06; Instructor in Latin, Vassar College, 1906-07; Graduate Student, Columbia University, 1907-08; Tutor in Latin, High School Department, Normal College, New York City, 1907-09; on leave of absence, 1909-10.

Married, 1910, *Mr. Eric Charles William Scheel Lyder*.

RAGSDALE, VIRGINIA, ...See page 20.

Holder of the Bryn Mawr European Fellowship, 1896-97.

- REIMER, MARIE**,420 West 118th Street, New York City.
Holder of the Mary E. Garrett European Fellowship, 1902-03. A.B., Vassar College, 1897, and Ph.D., Bryn Mawr College, 1903, subjects, Chemistry and Physiology. Graduate Scholar in Chemistry, Vassar College, 1897-98; Assistant in the Chemical Laboratory, Vassar College, 1898-99; Fellow in Chemistry, Bryn Mawr College, 1899-1900, 1901-02; Graduate Scholar and Fellow by Courtesy in Chemistry, Bryn Mawr College, 1900-01; Student, University of Berlin, 1902-03; Lecturer in Chemistry, Barnard College, 1903-04, Instructor in Chemistry, 1904-09; Adjunct Professor of Chemistry, 1909-10, and Associate Professor, 1910-11.
- SAMPSON, LILIAN VAUGHAN**, ...409 West 117th Street, New York City.
Holder of the Bryn Mawr European Fellowship, 1891-92. A.B., Bryn Mawr College, 1891, group, Mathematics and Physics, and A.M., 1894. Student, University of Zürich, 1892-93; Graduate Student, Bryn Mawr College, 1891-92, and 1893-99; Research Work in Biology, 1904-06.
Married, 1904, *Professor Thomas Hunt Morgan*.
- SANDISON, HELEN ESTABROOK**,See page 21.
Holder of Special European Fellowship, 1909-10.
- SCHAEFFER, HELEN ELIZABETH**,See page 19.
Holder of the Mary E. Garrett European Fellowship, 1905-06.
- SCHMIDT, GERTRUD CHARLOTTE**,Bryn Mawr, Pa.
Holder of the President's European Fellowship, 1904-05. B.L., University of Wisconsin, 1900. Graduate Student, Radcliffe College, 1900-01, 1902-03; A.M., Radcliffe College, 1903; Assistant in German, Smith College, 1901-02; Graduate Student, Bryn Mawr College, 1903-05, 1906-09; Teacher of German in Miss Wright's School, Bryn Mawr, Pa., 1903-05, 1906-11; Student, University of Leipzig, 1905-06, University of Grenoble, Summer, 1905.
- SHEARER, EDNA ASTON**,5641 Cedar Avenue, Philadelphia.
Holder of the President's European Fellowship, 1905-06. A.B., Bryn Mawr College, 1904, group, English and Philosophy. Junior Fellow in Philosophy, Bryn Mawr College, 1904-05; Student, Universities of Edinburgh and Aberdeen, 1905-06; Fellow in Philosophy, Bryn Mawr College, 1906-07; Teacher of English in the Baldwin School, Bryn Mawr, Pa., 1907-10, and Graduate Student, Bryn Mawr College, 1907-08, 1909-10; Reader in English, Bryn Mawr College, 1910-11.
- SHIELDS, EMILY LEDYARD**,1902 West 6th Street, Los Angeles, Cal.
Holder of the Bryn Mawr European Fellowship, 1905-06. A.B., Bryn Mawr College, 1905, group, Greek and Mathematics, and A.M., 1906. Graduate Student, Bryn Mawr College, 1905-06; Recording Secretary and Appointment Secretary, Bryn Mawr College, 1906-07; Student, University of Oxford, and University of Berlin, 1907-08; Teacher of Greek and Mathematics in the Bryn Mawr School, Baltimore, Md., 1909-11.
- SHIPLEY, KATHARINE MORRIS**,Bryn Mawr, Pa.
Holder of the Bryn Mawr European Fellowship, 1890-91. A.B., Bryn Mawr College, 1890, group, Latin and English. Student in Latin and English, University of Leipzig, 1890-91; Sorbonne and Collège de France, 1891-92; Newnham College, University of Cambridge, England May Term, 1892; Associate Principal and Supervisor of English in the Misses Shipley's School, Bryn Mawr, Pa., 1894-1911.
- STEVENS, NETTIE MARIA**,Bryn Mawr, Pa.
Holder of the President's European Fellowship, 1901-02. A.B., Leland Stanford, Jr., University, 1899, and A.M., 1900. Ph.D., Bryn Mawr College, 1903, subjects, Morphology and Physiology. Student in the Hopkins Seaside Laboratory, Pacific Grove, Cal., summers, 1897, 1898, and 1899; Graduate Scholar in Biology, Bryn Mawr College, 1900-01; Student, Zoological Station, Naples, 1901-02, March to May, 1909. University of Würzburg, 1902, Fellow in Biology, Bryn Mawr College, 1902-03; Research Fellow in Biology, Bryn Mawr College, First Semester, 1903-04; Reader in Experimental Morphology, Bryn Mawr College, 1904-05, and Associate in Experimental Morphology, 1905-11; Carnegie Research Assistant, 1904-06; Alice Freeman Palmer Research Fellow and Student, University of Würzburg, on leave of absence, 1908-09.

STITES, SARA HENRY. . . . 78 South Franklin Street, Wilkes-Barre, Pa.
Holder of the President's European Fellowship, 1900-01. A.B., Bryn Mawr College, 1899, group, History and Political Science, A.M., 1900, and Ph.D., 1905, subjects, Economics and Politics and History. Graduate Scholar in History and Political Science, Bryn Mawr College, 1899-1900; Student at the Sorbonne and Collège de France, 1900-01; University of Leipzig, 1901-02; Graduate Scholar and Fellow by Courtesy in Political Science, Bryn Mawr College, 1902-04; Co-Principal of the Wilkes-Barre Institute, Wilkes-Barre, Pa., 1904-11.

SWINDLER, MARY HAMILTON. 329 West 11th Street, Connerville, Ind.
Holder of the Mary E. Garrett European Fellowship, 1909-10. A.B., University of Indiana, 1905, and A.M., 1906. Graduate Scholar in Greek, Bryn Mawr College, 1906-07, and Fellow in Greek, 1907-09; Student, Universities of Oxford and Berlin, and American School of Classical Studies, Athens, 1909-10; Teacher of Latin in the Misses Shipley's School, Bryn Mawr, Pa., 1910-11.

TRAYER, HOPE. 26 Oakland Terrace, Hartford, Conn.
Holder of the Mary E. Garrett European Fellowship, 1904-05. A.B., Vassar College, 1896; Ph.D., Bryn Mawr College, 1907, subjects, English and History. Graduate Student, Bryn Mawr College, and Private Tutor, Whitford, Pa., 1901-02; Graduate Scholar, Bryn Mawr College, and Teacher of English in Miss Wright's School, Bryn Mawr, Pa., 1902-03; Fellow in English, Bryn Mawr College, 1903-04; Student, University of Munich, 1904-05, and First Semester, 1905-06; Graduate Scholar and Fellow by Courtesy, Bryn Mawr College, Second Semester, 1905-06; Teacher of English in Huntington Hall, Los Angeles, Cal., 1906-09; Teacher of English Literature, Mills College, California, 1909-11.

WADE, CLARA LOUISE WHIPPLE, Bryn Mawr, Pa.
Holder of the Bryn Mawr European Fellowship, 1904-05. A.B., Bryn Mawr College, 1904, group, Greek and Latin. Scholar in Latin, Bryn Mawr College, and Private Tutor, 1904-05; Student, University of Munich, 1905-06; Graduate Student, Bryn Mawr College, and Private Tutor, 1906-09; Teacher of Latin and German in the Misses Shipley's School, Bryn Mawr, Pa., 1907-10; Teacher of Latin and Greek in Miss Knox's School, Briarcliff Manor, N. Y., 1910-11.

WARREN, WINIFRED, 805 Comstock Avenue, Syracuse, N. Y.
Holder of the Mary E. Garrett European Fellowship, 1896-97. A.B., Boston University, 1891, and A.M., 1894; Ph.D., Bryn Mawr College, 1898, subjects, Greek and Latin. Fellow in Latin, Bryn Mawr College, 1893-94, and Fellow by Courtesy in Latin, 1894-96; Student in Classical Philology, Universities of Munich and Berlin, 1896-97; Instructor in Latin, Vassar College, 1897-1902.

Married, 1902, *Mr. George Arthur Wilson.*

WEUSTHOFF, ANNA SOPHIE, See page 22.
Holder of Special Ottendorfer Memorial Research Fellowship in Teutonic Philology, 1907-08. Holder of Ottendorfer Memorial Research Fellowship in Teutonic Philology, 1908-09.

Former Resident Fellows.

ALBERT, GRACE, The Students' Inn, Bryn Mawr, Pa.
Fellow in History, 1903-04. A.B., Bryn Mawr College, 1897, group, Greek and Latin, and A.M., 1903. Private Tutor, 1897-99; Teacher of Latin in the Misses Shipley's School, Bryn Mawr, Pa., 1899-1901, of History, 1905-06, and Secretary, 1901-02; Graduate Student, Bryn Mawr College, 1901-02, and 1904-08; Graduate Scholar in History and Economics and Politics, 1902-03; Fellow in History and Student, University of London, engaged in research work in the Public Records Office, London, and in the University of Oxford, 1903-04; Head of Department of History in the Misses Shipley's School, Bryn Mawr, 1906-11.

ATKINSON, MABEL, . . . 26 Denning Road, Hampstead, London, England.

Fellow in Economics and Politics, 1902-03. A.M., Glasgow University, 1900. Holder of Research Studentship, London School of Economics, 1900-02; Classical Mistress, High School, Newcastle, England, 1903-04; Lecturer in Philosophy and Assistant to the Professor of Classics, Armstrong College, University of Durham, 1904-08; Member of the Board of Faculties, University of Durham, 1905-07; Honorary Secretary, Settlement Association, Newcastle-on-Tyne, 1906-07; Lecturer in Economics, King's College, London, 1908-11, and Lecturer in Economics to the Woman's Educational Association, London, 1910-11.

AVEN, ANNA WARD, 403 E. Market Street, Greenwood, Miss.

Fellow in Latin, 1908-09. A.B., Mississippi College, 1905. Graduate Student in Greek and Latin, Bryn Mawr College, 1906-07, and Graduate Scholar in Latin, 1907-08. Instructor in Latin, Hillman College, Clinton, Miss., 1905-06, Head of Normal Department, Mississippi State College for Women, 1909-10.

Married, 1910, *Mr. William Madison Whittington*.

BAKER, MABEL WHITMAN, . . . 3100 Newark Street, Washington, D. C.

Fellow in Latin, 1896-97. Columbian University, 1893-95; Teacher in Norwood Institute, Washington, 1895-96; Teacher of Latin in the Western High School, Washington, 1897-1903.

Married, 1903, *Mr. Alfred Hulse Brooks*.

BANCROFT, JANE M., 425 Cass Avenue, Detroit, Mich.

Fellow in History, 1885-86. Ph.B., Syracuse University, 1877, Ph.M., 1880, and Ph.D., 1884. Professor of French Language and Literature, Northwestern University, 1877-85; University of Zürich, 1886-87; Sorbonne and Collège de France, 1888.

Married, 1891, *Mr. George O. Robinson*.

BARTLETT, HELEN, 139 High Street, Peoria, Ill.

Fellow in English, 1893-94. Newnham College, University of Cambridge, England, 1889; studied in Berlin, 1882-84, and 1890. A.B., Bryn Mawr College, 1892, group, English and German, A.M., 1893, and Ph.D., 1896, subjects, English and German. Graduate Student, Bryn Mawr College, 1892-93, 1894-95; Holder of the American Fellowship of the Association of Collegiate Alumnae 1894-95; Instructor in German and French in the Portland Academy, Portland, Ore., 1896-97; Dean of Women, Head of the Modern Language Department and Assistant Professor of German in the Bradley Polytechnic Institute, Peoria, Ill., 1897-1904, Dean of Women, Head of the Modern Language Department, and Professor of German, 1904-11; Student, University of Berlin, 1905; Traveling in Europe on leave of absence, 1907-10, and in California and New Mexico, 1910-11.

DE BEAUREGARD, ESTHER TONTANT, 117 Collier Street, Toronto, Canada.

Fellow in Romance Languages, 1894-95. A.B., University of Toronto, 1894; Ontario Normal College, 1895-96; Teacher of Modern Languages, Niagara Falls Collegiate Institute, 1896-1900; Graduate Student in English, University of Pennsylvania, 1900-01; Teacher of English and French in Mrs. Chapman and Miss Jones's School, Chestnut Hill, Philadelphia, 1904-05.

Married, 1905, *Mr. Percy James Robinson*.

BECKWITH, MINNIE ADA, Ocean Beach, New London, Conn.

Fellow in Latin, 1903-04. A.B., University of Chicago, 1902. Graduate Scholar, University of Chicago, 1902-03; Graduate Student, Bryn Mawr College, 1907-08; Teacher of Latin and Greek in Miss Florence Baldwin's School, Bryn Mawr, Pa., 1904-11.

BENNESON, CORA AGNES, 4 Mason Street, Cambridge, Mass.

Fellow in History, 1887-88. A.B., University of Michigan, 1878, LL.B., 1880, and A.M., 1883. Graduate Student, Radcliffe College, 1897-1902; Attorney and Counsellor-at-Law, Cambridge, 1894-1911; Special Commissioner in Massachusetts, 1895-1909.

BLAKE, SUE AVIS, Merion, Pa.

Fellow in Physics, 1906-07. A.B., Bryn Mawr College, 1898, group, Mathematics and Physics, and A.M., 1900. Demonstrator and Graduate Student in Physics, Bryn Mawr College, 1898-99, 1904-06; Graduate Student, Bryn

Mawr College, and Teacher of Mathematics and Science in the Misses Shipley's School, Bryn Mawr, Pa., 1899-1900; Assistant in Physics, Smith College, 1900-02, 1903-04; Fellow in Physics, University of Pennsylvania, 1907-08; Private Tutor 1909-10; Instructor in Physics, Smith College, 1910-11.

BLANCHARD, ELIZABETH MILLER,Belleville, Pa.

Fellow in Mathematics, 1889-90. A.B., Bryn Mawr College, 1889, group, Greek and Mathematics. Teacher of Mathematics in the Bryn Mawr School, Baltimore, Md., 1891-92; Teacher of Mathematics in the Misses Shipley's School, Bryn Mawr, Pa., 1895-1908, and in Miss Irwin's School, Philadelphia, 1896-1908; Graduate Student, Bryn Mawr College, 1902-03; Assistant Manager of the Belleville Basket Shop, 1908-11.

BORING, ALICE MIDDLETON,See page 22.

Fellow in Biology, 1906-07.

BOURLAND, CAROLINE BROWN,See page 22.

Fellow in Romance Languages, 1898-99.

BOWERMAN, HELEN COX,

Care of American Express Co., 11 rue Scribe, Paris, France.

Fellow in Archaeology, 1909-11. A.B., Mount Holyoke College, 1901; A.M., University of Rochester, 1903. Teacher of English and Latin in the High School, Macedon, N. Y., 1903-05; Instructor in Latin, Western College for Women, Oxford, O., 1905-07; Associate Professor of Latin, 1907-08; Graduate Scholar in Archaeology, Bryn Mawr College, 1908-09; University of Bonn, Summer, 1909; American School of Classical Studies, Rome, 1910-11.

BRAMHALL, EDITH CLEMENTINE,Rockford College, Rockford, Ill.

Fellow in History, 1898-99. A.B., University of Indiana, 1895; A.M., University of Pennsylvania, 1896, and Ph.D., 1898; Teacher of History in the Manual Training High School, Indianapolis, Ind., 1899-1900; Instructor in History and Economics, Rockford College, 1900-02, and Professor, 1902-11.

BROMBACHER, CAROLINE GARNAR,

177 Woodruff Avenue, Brooklyn, New York City.

Fellow in Greek, 1896-97. A.B., Barnard College, 1895. Assistant Teacher of Mathematics and Latin in the Erasmus Hall High School, Brooklyn, 1897-99, of Mathematics and Greek, 1899-1901, and of Greek, 1901-06; Graduate Student, Columbia University, 1903-04.

Married, 1906, *Mr. Sidney G. Stacey.*

BROOKS, HARRIET,See page 23.

Fellow in Physics, 1901-02.

BROWNELL, JANE LOUISE,Bryn Mawr, Pa.

Fellow in Political Science, 1893-94. A.B., Bryn Mawr College, 1893, group, History and Political Science, and A.M., 1894. Teacher of Mathematics in the Bryn Mawr School, Baltimore, Md., 1894-1902, and Associate Mistress, 1897-1902; Associate Principal of Miss Florence Baldwin's School, Bryn Mawr, 1902-06; Head of the Baldwin School, Bryn Mawr, 1906-11.

BURNLEY, MARY CLOYD,1029 Grove Street, Evanston, Ill.

Fellow in Chemistry, 1897-98. A.B., Woman's College of Baltimore, 1897, and A.M., 1899. Assistant in Chemistry, Vassar College, 1898-1900, and Instructor in Chemistry, 1900-1908; Research Fellow in Chemistry, Bryn Mawr College, 1908-09.

Married, 1909, *The Rev. James Madison Stifler.*

BYRNES, ESTHER FUSSELL,

193 Jefferson Avenue, Brooklyn, New York City.

Fellow in Biology, 1894-95. A.B., Bryn Mawr College, 1891, group, Chemistry and Biology, A.M., 1894, and Ph.D., 1898, subjects, Morphology and Physiology. Assistant in Biological Laboratory, Vassar College, 1891-93; Graduate Scholar in Biology, Bryn Mawr College, 1893-94, and Graduate Student in Biology, 1895-97; Teacher of Physiology and Zoology in the Girls' High School, Brooklyn, New York City, 1897-1911; Fellow of the New York Academy of Science; Chairman of the Section of Biology of the New York State Science Teachers' Association, 1906.

- CADY, MARY LOUISE,See page 23.
Fellow in Greek, 1905-06.
- CAM, HELEN MAUD, Birchanger Rectory, Bishops Stortford, England.
Fellow in History, 1908-09. B.A., University of London, 1908, and M.A., 1909. Royal Holloway College, 1904-07. Assistant Mistress, Cheltenham Ladies' College, 1909-11.
- CHAMBERLAIN, ETHEL MARY, ..915 North Broad Street, Galesburg, Ill.
Fellow in Philosophy, 1908-09. A.B., Lombard College, 1906. Graduate Student, University of Chicago, 1906-08, 1910-11, and Fellow in Psychology, 1909-10.
- CLARK, MABEL PARKER,145 West 78th Street, New York City.
Fellow in English, 1889-90. A.B., Bryn Mawr College, 1889, group. Greek and English, and A.M., 1890. Reader in English, and Graduate Student, 1890-93; Graduate Student, Barnard College, 1893-94.
Married, 1894, *Dr. John Henry Huddleston*.
- CLARKE, MARY PATTERSON,721 Illinois Street, Lawrence, Kan.
Fellow in History, 1906-07. A.B., University of Kansas, 1904, and A.M., 1905. Graduate Student, University of Kansas, 1904-05, and Fellow in History, 1905-06; Principal and Teacher of History in the High School, Cartersville, Mo., 1907-08; Teacher of History in the High School, Perry, Okla., 1910-11.
- CLOUGH, IDA PRESCOTT,37 Cedar Street, Somerville, Mass.
Fellow in Latin, 1900-01. A.B., Radcliffe College, 1896, and A.M., 1900. Graduate Student, Radcliffe College, 1899-1900; University of Berlin, 1901-02.
- COLE, ANNA LEWIS,See page 18.
Fellow in Romance Languages, 1895-96.
- COLIN, THÉRÈSE F.,.....Wellesley College, Wellesley, Mass.
Fellow in Romance Languages, 1893-94. Diplômée at agrégée, Collège de Neuchâtel, 1875; A.M., Leland Stanford, Jr., University, 1893; Ph.D., University of Pennsylvania, 1897; Officier de l'Instruction Publique, Paris, 1906; Muséum d'Histoire Naturelle, Paris, 1883-85; University of the City of New York, 1887-88; Reader in Romance Languages, and Graduate Student, Bryn Mawr College, 1894-96; Student in Romance Philology and Literature, Sorbonne, Collège de France, Ecole des Hautes Etudes, Ecole des Chartes, Paris, 1895; Head of French Department in Miss Florence Baldwin's School, Bryn Mawr, Pa., 1896-1904; Associate Professor of French, Wellesley College, 1904-06, Professor-Elect, 1906-07, and Professor of French Language and Literature, 1907-11, and Head of the Department of French, 1905-11; Professor of French Language and Literature, University Extension Department of Harvard University, 1910-11.
Married, —, *Mr. Alfred Colin*.
- COOPER, ELVA,942 Winchester Street, Milwaukee, Wis.
Fellow in Mathematics, 1907-08. A.B., University of Wisconsin, 1904, and A.M., 1906. Student in Mathematics, University of Wisconsin, 1905-06; Graduate Scholar in Mathematics, University of Wisconsin, and Teacher of Mathematics, 1906-07. Instructor in Mathematics, University of Washington, 1908-10, and in the University of Colorado, 1910-11.
- COULTER, CORNELIA CATLIN,See page 16.
Fellow in Latin, 1909-10.
- CUMMINGS, LOUISE D.,
256 Main Street, East, Hamilton, Ontario, Canada.
Fellow in Mathematics, 1898-99. A.B., University of Toronto, 1895, and A.M., 1902. Fellow, University of Pennsylvania, 1896-97; Examiner in Mathematics, University of Toronto, 1897; Graduate Student, University of Chicago, 1897-98; Fellow by Courtesy in Mathematics, Bryn Mawr College, 1900; Instructor in Mathematics, St. Margaret's College, Toronto, Ont., 1901-02; Instructor in Mathematics, Vassar College, 1902-11; Graduate Scholar, Bryn Mawr College, First Semester, 1905-06.

- DENIS, WILLEY**,1420 General Taylor Street, New Orleans, La.
Fellow in Chemistry, 1902-03. A.B., Tulane University, 1899, and A.M., 1902; Ph.D., University of Chicago, 1907. Graduate Student, Bryn Mawr College, 1899-1901; Tulane University, 1901-02, 1903-04, University of Chicago, 1905-07; Assistant Chemist, U. S. Department of Agriculture, Bureau of Foods, 1907-09; Research Work, Harvard Medical School, 1910-11.
- DOVER, MARY VIOLETTE**,Mt. Holyoke College, South Hadley, Mass.
Fellow in Chemistry, 1905-06. A.B., McGill University, 1898, and M.Sc., 1900; Ph.D., University of Breslau, 1908. Instructor in Chemistry, Mt. Holyoke College, 1909-11.
- DUDLEY, LOUISE**,Georgetown, Ky.
Fellow in English, 1906-07. A.B., Georgetown College, 1905. Graduate Student, Bryn Mawr College, 1905-06, and Graduate Scholar, 1910. Teacher of Mathematics and Latin in Kemper Hall, Kenosha, Wis., 1908-09; Instructor in English Literature, Mt. Holyoke College, 1910-11.
- EDDY, HELEN MAY**,Marengo, Ia.
Fellow in Latin, 1904-05. A.B., University of Iowa, 1900, and A.M., 1903. Fellow in Latin, University of Iowa, 1901-04. Teacher of Latin in the High School, Fairfield, Ia., 1905-06, and of Latin and Greek in the Winona Park School for Women, Winona Lake, Ind., 1906-08; Teacher of Latin and German in the State Normal School, Mayville, N. D., 1908-11.
- EDMAND, MARIETTA JOSEPHINE**,
W. 2502 Sinto Avenue, Spokane, Wash.
Fellow in Latin, 1897-98. A.B., Central University of Iowa, 1887, and A.M., 1890; A.B. and A.M., University of Chicago, 1897. Assistant in Academic Department, Iowa Wesleyan University, 1887-90, and Principal of Academic Department, 1890-93; Professor of Latin, Iowa Wesleyan University, 1893-95; Graduate Student in Greek and Latin, University of Chicago, 1895-97; Professor of Latin and Greek, Milwaukee-Downer College, Milwaukee, Wis., 1898-99, and Professor of Latin, 1899-1903; American School of Classical Studies, Rome, 1901-02.
- Married, 1903, *Dr. Frederic Perry Noble*.
- EDWARDS, KATHARINE MAY**,Wellesley College, Wellesley, Mass.
Fellow in Greek, 1888-89. A.B., Cornell University, 1888, and Ph.D., 1895. Instructor in Greek, Wellesley College, 1889-93; Graduate Student, Cornell University, 1893-94; Associate Professor of Greek, Wellesley College, 1894-1901, and Associate Professor of Greek and Comparative Philology, 1901-11.
- ELLIS, ELLEN DEBORAH**,See page 23.
Fellow in Economics and History, 1904-05.
- EVERS, HELEN MARGARET**,11507 Mayfield Road, Cleveland, O.
Fellow in Romance Languages, 1903-05. A.B., Washington University, 1899; A.M., University of Missouri, 1902; Ph.D., Bryn Mawr College, 1905, subjects, French and Spanish. Graduate Student, University of Missouri, 1901-02, and Fellow in Romance Languages, 1902-03; Fellow in Romance Languages, Bryn Mawr College, 1903-05; Teacher of French in the Gleim School, Pittsburgh, Pa., 1906-07; Acting Instructor in Romance Languages, University of Missouri, 1905-06, and Instructor, 1907-09; Instructor in the International Institute for Girls, Madrid, Spain, 1909-10; Instructor in Romance Languages, College for Women of Western Reserve University, 1910-11.
- FAHNESTOCK, EDITH**,Vassar College, Poughkeepsie, N. Y.
Fellow in Romance Languages, 1897-98. L.B., Western Reserve University, 1894. University of Zürich and Sorbonne, 1894-96; Mistress of Modern Languages, Mississippi Industrial Institute and College, Columbus, Miss., 1898-1901, 1902-05; Graduate Scholar and Fellow by Courtesy in Romance Languages, Bryn Mawr College, 1901-02, and Graduate Scholar, 1906-07; Instructor in Romance Languages, Mt. Holyoke College, 1907-08, and Vassar College, 1908-11.

- FAIRBANKS, CHARLOTTE**,5226 Spruce Street, Philadelphia.
Fellow in Chemistry, 1896-97. A.B., Smith College, 1894; Ph.D., Yale University, 1896; M.D., Woman's Medical College of Pennsylvania, 1902. Instructor in Chemistry, Wellesley College, 1897-99; Woman's Medical College of Pennsylvania, 1899-1902; Physician, 1905-07; Instructor in Chemistry and Materia Medica, Woman's Medical College of Pennsylvania, 1906-07.
- FAIRCLOUGH, ELIZABETH MARY**,
228 Market Street, Hamilton, Ontario, Canada.
Fellow in Greek, 1893-94. A.B., McGill University, 1893. Private Tutor, 1898-1900.
- FARNHAM, LOIS ANNA**,22 Old Lancaster Road, Bryn Mawr, Pa.
Fellow in Economics and Politics, 1901-02. A.B., Bryn Mawr College, 1900, group, History and Political Science, and A.M., 1901. Graduate Scholar in History, Political Science, and Law, Bryn Mawr College, 1900-01.
Married, 1903, *Professor David Wilbur Horn*.
- FOGG, EMILY**,Swarthmore, Pa.
Fellow in History, 1897-98. Wellesley College, 1889-91; A.B., University of Chicago, 1897. Graduate Scholar and Fellow by Courtesy in History, 1898-99; Fellow in Sociology, University of Pennsylvania, 1899-1900; Student, University of Pennsylvania, and Teacher of Economic Geography in Mrs. Head's School, Germantown, Philadelphia, and of History in the Misses Shipley's School, Bryn Mawr, Pa., 1900-01.
Married, 1900, *Professor Edward Sherwood Meade*.
- FOWLER, EUGENIA**,90 Morningside Avenue, West, New York City.
Fellow in Physics, 1902-03. A.B., Bryn Mawr College, 1901, and A.M., 1902. Mistress of Llanberis, and Graduate Student, Bryn Mawr College, 1901-02; Secretary and Manager of Athletics, St. Timothy's School, Catonsville, Md., 1903-07; Manager of Low Buildings, Bryn Mawr College, 1908-09.
Married, 1909, *Mr. M. K. Neale*.
- FRANCE, WILMER CAVE**,Low Buildings, Bryn Mawr, Pa.
Fellow in Greek, 1892-93. Girton College, University of Cambridge, England, 1888-92; Classical Tripos, 1892; Ph.D., University of Chicago, 1895; Fellow in Latin, University of Chicago, 1893-94, and Fellow in Greek, 1894-95; Reader in Greek and Latin, University of Chicago, 1895-96; Reader in Classical Literature, Bryn Mawr College, 1897-99; Associate in Classical Literature, 1899-1901, Associate in Greek, 1901-03, 1905-06, Lecturer in Greek Literature, 1906-07, and Associate Professor of Greek, 1907-11.
Married, 1906, *Mr. J. Edmund Wright*.
- FRANKLIN, SUSAN BRALEY**,33 Central Park West, New York City.
Fellow in Greek, 1889-90. A.B., Bryn Mawr College, 1889, group, Greek and Latin, and Ph.D., 1895, subjects, Greek, Latin, and Sanskrit. Fellow by Courtesy in Greek, 1890-93; Graduate Student, Bryn Mawr College, 1890-93, and second semester, 1901-03; Holder of the American Fellowship of the Association of Collegiate Alumnae, 1892-93; Instructor in Latin, Vassar College, 1893-97; American School of Classical Studies, Athens, and University of Berlin, 1898-99; Teacher of Greek and Latin in Miss Florence Baldwin's School, Bryn Mawr, Pa., 1897-98, and 1899-1904; Head of the Classical Department, Ethical Culture School, New York City, 1904-11.
- FREHAFFER, MABEL KATHRYN**, See page 19.
Fellow in Physics, 1909-10.
- GAGE, KITTY AUGUSTA**,New Paltz, N. Y.
Fellow in Greek, 1885-86. A.B., Boston University, 1878; A.M., Cornell University, 1885. Teacher of Latin and French in the State Normal School, New Paltz, 1893-1909.
- GATES, FANNY COOK**,Goucher College, Baltimore, Md.
Fellow in Mathematics, 1896-97. B.S., Northwestern University, 1894, and M.S., 1895. Ph.D., University of Pennsylvania, 1909. Fellow in Mathematics, Northwestern University, 1894-95; Graduate Scholar in Mathematics, Bryn Mawr College, 1895-96; Holder of European Fellowship of the Association of Collegiate Alumnae, and Student in Mathematics and Physics, University of Göttingen, 1897-98; Graduate Student, University

of Chicago, Summer Term, 1899; Instructor in Physics, Woman's College of Baltimore, 1898-1901, Associate Professor of Physics, 1901-06, and Professor of Physics, 1906-11; Research Student, McGill University, 1902-03; Research Student, Cavendish Laboratory, Cambridge, England, April to August, 1905 and 1906.

GENTRY, RUTH,Stilesville, Ind.

Fellow in Mathematics, 1890-91. Ph.B., University of Michigan, 1890; Ph.D., Bryn Mawr College, 1896, subjects, Mathematics and Physics. Fellow by Courtesy in Mathematics, Bryn Mawr College, 1893-94; Holder of the European Fellowship of the Association of Collegiate Alumnae, and Student in Mathematics, University of Berlin, 1891-92; Student at the Sorbonne, 1892-93; Instructor in Mathematics, Vassar College, 1894-1900, and Associate Professor of Mathematics, 1900-02; Associate Principal of Private School, Pittsburgh, Pa., and Head of Department of Mathematics, 1902-05; Volunteer nurse (unpaid), 1910-11.

GORDON, WILHELMINA,

Queen's University, Kingston, Ontario, Canada.

Fellow in Latin, 1906-07. M.A., Queen's University, 1905. Graduate Scholar in English, Bryn Mawr College, 1905-06; Somerville College, Oxford, England, 1908-09. Tutor in English, Queen's University, 1909-10.

GRAHAM, ELLEN MAUD,131 Scott Street, Quebec, Canada.

Fellow in History, 1896-97. A.B., University of Toronto, 1896. Canadian Government Teacher in South Africa, 1902-04; Teacher of Modern Languages, Harriston, Ont., 1905-06; Principal of the Girls' High School, Quebec, P. Q., 1906-09.

Married, 1908, *Mr. Frederick Gourlay Millar*.

GRAHAM, MINNIE ALMIRA,See page 17.

Fellow in Chemistry, 1906-07, 1910-11.

GRIFFIN, HATTIE JOSEPHINE,North Bend, Ore.

Fellow in Latin, 1899-1900. A.B., University of Wisconsin, 1898, and A.M., 1902. Alumni Fellow in Latin, University of Wisconsin, 1898-99; Fellow in Latin, University of Wisconsin, 1901-02; Assistant in the High School, Crystal Falls, Michigan, 1902-03; Professor of Ancient and Modern Languages, Nebraska Central College, 1903-07; Principal of the High School, North Bend, 1907-09; Teacher of Latin and German in the Kinney High School, North Bend, 1909-11.

GWINN, MARY,33 Mount Vernon Place East, Baltimore, Md.

Fellow in English, 1885-87. University of Leipsic, 1879-82; University of Zürich, 1882; Sorbonne and Collège de France, 1883. Ph.D., Bryn Mawr College, 1888. Graduate Student, Bryn Mawr College, 1887-88, and Associate in English, 1888-93; Associate Professor of English, Bryn Mawr College, 1893-97, and Professor of English, 1897-1904.

Married, 1904, *Mr. Alfred Hodder*.

HAHN, DOBOTHY ANNA,Box 344, South Hadley, Mass.

Fellow in Chemistry, 1907-08. A.B., Bryn Mawr College, 1899, group, Chemistry and Biology. Professor of Chemistry and Biology, Pennsylvania College for Women, Pittsburgh, Pa., 1899-1906; Professor of Biology, Kindergarten College, Pittsburgh, 1904-06; Student, University of Leipsic, 1906-07; Instructor in Chemistry, Mount Holyoke College, 1908-11.

HAINES, JANE BOWNE,Cheltenham, Pa.

Fellow in History, 1892-93. A.B., Bryn Mawr College, 1891, group, History and Political Science, and A.M., 1892. Graduate Student, Bryn Mawr College, 1891-92, 1893-94, and Associate Librarian, 1895-98; Student, New York State Library School, Albany, N. Y., 1898-99; Assistant in the Cataloguing Division, Library of Congress, Washington, D. C., 1900-03; Private Indexer and Bibliographer, 1903-10.

HAMILTON, EDITH,See page 24.

Fellow in Latin, 1894-95.

HANINGTON, FLORENCE,159 Stanley Avenue, Ottawa, Canada.

Fellow in Mathematics, 1905-06. A.B., Trinity University, 1904. Graduate Scholar in Mathematics, Bryn Mawr College, 1904-05; Secretary of Bryn Mawr College, 1906-07.

Married, 1907, *Mr. Charles Reginald Carter*.

HARDCASTLE, FRANCES,

3 Osbourne Terrace, Newcastle on Tyne, England.

Fellow in Mathematics, 1894-95. M.A., Trinity College, Dublin, 1907. Girton College, University of Cambridge, England, 1888-92; Mathematical Tripos, Part I, 1891; Part II, 1892. Graduate Student in Mathematics, Bryn Mawr College, 1892-93; Honorary Fellow in Mathematics, University of Chicago, 1893-94; Graduate Student in Mathematics, Girton College, 1895-96; Pfeiffer Student of Girton College, 1902-03; Hon. Secretary, National Union of Women's Suffrage Societies, London, 1906-09.

HARMON, ESTHER, See page 24.

Fellow in German, 1908-09.

HARPER, CARRIE ANNA, Sunderland, Mass.

Fellow in English, 1898-99. A.B., Radcliffe College, 1896, and A.M., 1898. Ph.D., Bryn Mawr College, 1910, subjects, English Language, English Literature and Spanish; Graduate Scholar in English, Bryn Mawr College, 1896-97; Graduate Student in English, Radcliffe College, 1897-98, 1906-07; Teacher of English in the Gilman School, Cambridge, Mass., 1899-1907; Instructor in English Literature, Mt. Holyoke College, 1907-11.

HARRIS, ELIZABETH, Clayton, Mo.

Fellow in Greek, 1890-91. A.B., Bryn Mawr College, 1890, group, Greek and Latin, and A.M., 1891. Teacher of Greek and Latin in the Collegiate Grammar School, New York City, 1891-92; Teacher of Greek and Latin in Miss Florence Baldwin's School, Bryn Mawr, Pa., 1892-96.

Married, 1896, *Professor Edward Harrison Keiser*.

HARRISON, ELIZABETH, 8 Linnet Lane, Liverpool, England.

Fellow in Greek, 1906-07. Liverpool University College, 1897-98; Newnham College, University of Cambridge, England, 1898-1902; Classical Tripos, Part I, 1901; Part II, 1902; Temporary Assistant Lecturer in Latin, University of Liverpool, and Private Tutor, 1908-11.

HARRISON, JANE ANNETTA, See page 16.

Fellow in German, 1909-10.

HAZEN, ANNAH PUTNAM, White River, Vt.

Fellow in Biology, 1898-99. L.B., Smith College, 1895; S.M., Dartmouth College, 1897. Graduate Student in Biology, Dartmouth College, 1895-96; Graduate Scholar in Biology, Bryn Mawr College, 1897-98; Teacher of Biology in the State Normal School, Plymouth, N. H., 1899-1900; Assistant in Zoology, Smith College, 1900-03; Teacher of Biology in the Wadleigh High School, New York City, 1903-09; First Assistant in Biology in the Eastern District High School, Brooklyn, New York City, 1909-11.

HAZLEWOOD, CHARLOTTE WILLIAMS, ... 161 Allen Avenue, Lynn, Mass.

Fellow in Greek, 1898-99. A.B., Wellesley College, 1891. Teacher of Greek and Latin in the Classical High School, Lynn, 1891-96; Graduate Student, Yale University, 1896-97, and Graduate Scholar, 1897-98; Substitute Head of Greek and Latin Department, Pennsylvania College for Women, Pittsburgh, Pa., Second Semester, 1910.

HENRY, MARGARET EDITH, 1108 East 62nd Street, Chicago, Ill.

Fellow in Philosophy, 1900-01. A.B., University of Nebraska, 1898, and A.M., 1900; A.M., Radcliffe College, 1902. Graduate Scholar in Philosophy, University of Nebraska, 1898-99, and Fellow, 1899-1900; Graduate Student, Radcliffe College, 1901-02; Graduate Student, Columbia University, 1904-06, and Ph.D., 1906.

Married, 1904, *Dr. Alvin Saunders Johnson*.

HICKS, AMY MAUD,

33 Downside Crescent, Hampstead, London, England.

Fellow in Greek, 1904-05. A.B., University of London, 1900, and A.M., 1901. Student, Girton College, University of Cambridge, England, 1895-99, Classical Tripos, Part I, 1898, Part II, 1899; Student, University College, London, 1900-02; Teacher of Classics in St. Mary's College, Paddington, London, 1906-09.

HIGHET, MINNIE ELIZABETH, Cobourg, Ontario, Canada.

Fellow in German and Teutonic Philology, 1896-97. A.B., Victoria University, 1891, and A.M., 1892; Ph.M., Cornell University, 1894, and Ph.D., 1895. Teacher of Modern Languages, Bowmanville High School, 1892-93; Professor of Modern Languages and History, State Normal School, New Paltz, N. Y., 1897-1900; University of Berlin, 1901-02; Professor of German, Elmira College, 1902-11.

HILL, SARAH D., Richmond, Ind.

Fellow in Teutonic Philology, 1904-05. A.B., Earlham College, 1901. Graduate Scholar, Bryn Mawr College, 1903-04; Assistant in German and French, Earlham College, 1905-08.

Married, 1908, *Mr. Milton D. Baumgartner*.

HOOPER, EDITH SOPHIA,

Heathersby, Chislehurst Road, Kent, England.

Fellow in English, 1900-01. M.A., University of Edinburgh, 1900, Honours in Philosophy, 1899, in English, 1900.

HOPKINS, MARY DELIA, Clinton, N. Y.

Fellow in English, 1896-97. A.B., Bryn Mawr College, group, English and German, and A.M., 1896. Reader in English, and Graduate Student, Bryn Mawr College, 1897-98, and Reader in English, 1899-1901; Teacher of Latin and English in the Granger Place School, Canandaigua, N. Y., 1902-04; Teacher of English in the Balliol School, Utica, N. Y., 1901-02, and of English, German, and Latin, 1905-07; Teacher of English and Latin in Miss Davidge's School, New York City, and Private Tutor, 1904-05; Teacher of Latin and English in the Veltin School, New York City, and Graduate Student, Columbia University, 1908-11.

HOWELL, JEAN KIRK, 123 West 7th Street, Plainfield, N. J.

Fellow in Biology, 1891-92. Ph.B., Cornell University, 1888, and S.M., 1890. Assistant in Botany, Barnard College, 1892-96; Teacher of Science in the Phillips High School, Watertown, Mass., 1898-99; Teacher of Science in Miss Ingol's School, Cambridge, Mass., 1899-1905, and in the Plainfield Seminary, Plainfield, 1905-11.

HUGHES, WINONA ALICE, .. Mt. Holyoke College, South Hadley, Mass.

Fellow in Chemistry, 1900-01. Ph.B., University of Wooster, 1891. Graduate Student, Cornell University, Summer School, 1894; Harvard University, Summer School, 1895; University of Chicago, 1897-99; Teacher of Science in the Public Schools, Marion, O., 1892-97, and in the High School, Mansfield, O., 1899-1900; Teacher of Science in the High School, Ottumwa, Ia., 1901-02; Teacher of Chemistry and Zoology in the High School, Mansfield, 1902-06; Instructor in Chemistry, Mt. Holyoke College, 1906-11.

HUTCHINSON, ANABELLE ROXBURGH,

Brookside, Catterick, Yorkshire, England.

Fellow in Romance Languages, 1899-1900. Newnham College, University of Cambridge, England, 1895-99; Medieval and Modern Languages Tripos, 1898; Sorbonne, 1900-01; Assistant Librarian, University Library, Cambridge, 1902-05; Assistant Lecturer in French, Newnham College, 1904-06; Examiner in French and Italian, Joint Board Matriculation, 1909-11.

HYDE, IDA H., Lawrence, Kan.

Fellow in Biology, 1892-93. S.B., Cornell University, 1891; Ph.D., University of Heidelberg, 1896. Student Assistant in Biology, Bryn Mawr College, 1891-92; Holder of the European Fellowship of the Association of Collegiate Alumnae, and Student in Biology, University of Strassburg, 1893-94; Holder of the Phebe Hunt Fellowship of the Association of Collegiate Alumnae, and Student in Biology, University of Heidelberg, 1894-96; Teacher of Science in Miss Ingol's School, Cambridge, Mass., 1898-99; Professor of Physiology, and Head of Department of Physiology, University of Kansas, 1899-1911.

HYDE, WINIFRED FLORENCE, Berggasse 1, Jena, Germany.

Fellow in Philosophy, 1902-04. A.B., University of Nebraska, 1900. Scholar in Philosophy, University of Nebraska, 1900-01; University of Denver, Summer of 1901; Teacher in the High School, Lincoln, Neb., 1901-02; Scholar in Philosophy, Cornell University, 1904-05; Holder of the European Fellowship of the Boston Woman's Educational Association and Student at the University of Jena, 1905-07.

ISHAM, MARY KEYT,849 Oak Street, Walnut Hills, Cincinnati, O.

Fellow in Philosophy, 1899-1900. A.B., Wellesley College, 1894; A.M., University of Cincinnati, 1898. M.D., Laura Memorial Medical College, 1903. Graduate Student in Philosophy and Psychology, University of Cincinnati, 1897-98; Graduate Student in Philosophy and Psychology, University of Chicago, 1898-99; Lecturer on Psychology and Student, Laura Memorial Medical College, Cincinnati, 1900-03; Interne and House Physician at the Presbyterian Hospital, Cincinnati, 1903-04; Physician, 1904-08; Secretary, Academy of Medicine of Cincinnati, 1907-08; Assistant Physician, Columbus State Hospital, Columbus, O., 1908-11.

JARVIS, MAY MASON,2010 Wichita Street, Austin, Tex.

Fellow in Biology, 1909-10. A.B., University of Texas, 1906, and A.M., 1908. Tutor in Zoology, University of Texas, 1907-09, 1910-11.

JONES, LAURA LUCINDA,Box 353, Cobourg, Ontario, Canada.

Fellow in English, 1894-95. A.B., University of Toronto, 1891. Teacher of Modern Languages in the Collegiate Institute, Kingston, Ont., 1895-97; Teacher of English, and Student in German in the Höhere Töcherschule Tegeler, Eberswalde, Berlin, 1897-98; Teacher of English, French, and German in the Collegiate Institute, Cobourg, 1898-1909; Member of the Board of the Public Library, Cobourg, 1904-08.

KEYS, FLORENCE V.,College Avenue, Poughkeepsie, N. Y.

Fellow in Greek, 1891-92; Fellow in English, 1892-93. A.B., University of Toronto, 1891. Examiner in English, University of Toronto, 1894-95; Reader in English, Bryn Mawr College, 1893-97, and Graduate Student in English, 1895-96; University of Oxford, England, 1897-98; University of Berlin, 1898-99; Reader in English, College Entrance Examination Board, 1900-02; Student, University of Munich, 1904-05; Instructor in English, Vassar College, 1899-1904, and Associate Professor of English, 1904-11.

KING, GEORGIANA GODDARD,Low Buildings, Bryn Mawr, Pa.

Fellow in Philosophy, 1896-97; Fellow in English, 1897-98. A.B., Bryn Mawr College, and George W. Childs Prize Essayist, 1896, group, Political Science and Philosophy, and A.M., 1897. Student at the Collège de France, First Semester, 1898-99; Teacher of English, Philosophy, and History of Art in the Misses Graham's School, New York City, 1899-1906; Reader in English, Bryn Mawr College, 1906-11, and Lecturer in Art, 1910-11.

KING, HELEN DEAN,Bryn Mawr, Pa.

Fellow in Biology, 1897-98. A.B., Vassar College, 1892; Ph.D., Bryn Mawr College, 1901, subjects, Morphology, Palæontology, and Physiology. Graduate Student in Biology, Vassar College, and Assistant in the Biological Laboratory, 1894-95; Graduate Scholar in Biology, Bryn Mawr College, 1895-96, and Graduate Student in Biology, 1896-97 and 1901-06, and Fellow by Courtesy in Biology, 1898-1901; Teacher of Science in Miss Florence Baldwin's School, Bryn Mawr, Pa., 1899-1907; University Fellow for Research in Zoology, University of Pennsylvania, 1906-08; Investigator, Wistar Institute of Anatomy and Biology, Philadelphia, 1908-09, Assistant in Anatomy, 1909-10, and Associate in Anatomy, 1910-11.

KING, HELEN MAXWELL,American Legation, Bangkok, Siam.

Fellow in Romance Languages, 1909-10. A.B., Olivet College, 1907, and A.M., 1908. Graduate Student, Bryn Mawr College, 1908-09. Private Secretary to the United States Minister to Siam, 1910-11.

KING, LIDA SHAW,

Women's College in Brown University, Providence, R. I.

Fellow in Greek, 1899-1900. A.B., Vassar College, 1890; A.M., Brown University, 1894. Fellow in Greek, Vassar College, 1894-95; Instructor in Greek and Latin, Vassar College, 1895-97; Graduate Student in Greek and Greek History, Harvard University, 1897-98; Instructor in Latin, Packer Collegiate Institute, Brooklyn, New York City, 1898-99; Student, American School of Classical Studies, Athens, 1899-1901; Holder of the Agnes Hoppin Memorial Fellowship, 1900-01; Director of Classical Department, Packer Collegiate Institute, 1901-02; Dean of the Women's College, and Assistant Professor of Classical Philology in Brown University, 1905-09; Dean of the Women's College and Professor of Classical Literature and Archæology, 1910-11.

- LAIRD, ELIZABETH REBECCA**, See page 25.
Fellow in Physics, 1897-98.
- LAMBERTON, HELEN**, 753 Corinthian Avenue, Philadelphia.
Fellow in Physics, 1908-09. A.B., Bryn Mawr College, 1907, group, Mathematics and Physics, A.M., 1908. Graduate Scholar in Physics, Bryn Mawr College, 1907-08; Teacher of Physics in the Girls' High School, Philadelphia, 1909-10; Teacher of Mathematics in the Germantown High School for Girls, Philadelphia, 1910-11.
- LANGENBECK, CLARA**, See page 25.
Fellow in Biology, 1895-96.
- LEFTWICH, FLORENCE**, See page 25.
Fellow in Romance Languages, 1902-03.
- LEWIS, FLORENCE PARTHENIA**, See page 25.
Fellow in Philosophy, 1898-99.
- Longbottom, Gertrude**, ... The Hollies, Louth, Lincolnshire, England.
Fellow in Mathematics, 1897-98. Girton College, University of Cambridge, England, 1893-97; Mathematical Tripos, Part I, 1896; Part II, 1897. M.A., Trinity College, Dublin, 1905. Teacher of Latin in the Municipal Technical School, Louth, 1899-1900, and Teacher of Mathematics, 1900-06; Governor of King Edward VI Girls' Grammar School, Louth, 1902-09; Manager of the Louth British (Elementary) School, 1904-11; Private Tutor, 1909-10.
- LORD, ELEANOR LOUISA**, 46 Auburn Street, Malden, Mass.
Fellow in History, 1889-90, 1895-96. A.B., Smith College, 1887, and A.M., 1890; Ph.D., Bryn Mawr College, 1898, subjects, History and Political Science. Instructor in History, Smith College, 1890-94; Holder of the European Fellowship of the Women's Educational Association of Boston, and Student in History, Newnham College, University of Cambridge, England, 1894-95; Instructor in History, Woman's College of Baltimore, 1897-1901; Associate Professor, 1901-04, and Professor of History, 1904-11; President of the History Teachers' Association of Maryland, 1908-09; Dean of Goucher College, 1911.
- LOVELL, HELEN LOUISA**, Hardin College, Mexico, Mo.
Fellow in Greek, 1887-88. A.B., University of Michigan, 1887. Graduate Student, University of Michigan, 1888-89; Teacher of Latin and History in the Girls' Classical School, Indianapolis, Ind., 1889-90; Associate in Greek and Latin, Woman's College of Baltimore, 1890-91, and Associate Professor, 1891-93; Acting Professor of Greek and Latin, Earlham College, 1893-94; Graduate Student, University of Chicago, 1894-95, and Fellow in Greek, 1895-96; Professor of Greek, Hardin College, Mexico, 1896-1900, Professor of Greek and Philosophy, 1900-05, and Professor of Latin and Greek, 1905-09.
- Married, 1896, *Mr. John Wilson Million*.
- LOWATER, FRANCES**, Bryn Mawr, Pa.
Fellow in Physics, 1896-97. B.Sc., University of London, 1900; Ph.D., Bryn Mawr College, 1906, subjects, Physics, Mathematics and Applied Mathematics. University College, Nottingham, England, 1888-91, 1892-93; Newnham College, University of Cambridge, England, 1891-92; Demonstrator in Physics, Bryn Mawr College, 1893-96, 1897-98, 1899-1905, and 1907-10; Graduate Scholar in Physics, 1897-98, and Graduate Student in Physics and Mathematics, 1894-96, 1899-1900; Secretary of Bryn Mawr College, 1898-99; Acting Associate Professor of Physics, the Western College, Oxford, O., 1910-11.
- LUNDIE, ELIZABETH HELEN**, 36 Fort Street, Montreal, Canada.
Fellow in Physics, 1905-06. A.B., McGill University, 1903, and M.Sc., 1904. Assistant in Chemistry in the High School, Montreal, 1908-11.
- MACDONALD, MARGARET BAXTER**, State College, Pa.
Fellow in Chemistry, 1898-99. Pennsylvania State College, 1893-95; B.S., Mt. Holyoke College, 1898; Ph.D., Bryn Mawr College, 1902, subjects, Chemistry and Physiology. Student Assistant in Chemical Laboratory, Mt. Holyoke College, 1895-97; Graduate Scholar in Chemistry and Phys-

iology, Bryn Mawr College, 1897-98, and Pepper Fellow in Chemistry, University of Pennsylvania, 1899-1900; Graduate Scholar and Fellow by Courtesy in Chemistry, Bryn Mawr College, 1900-01; Teacher of Chemistry and Physics, Asheville College, Asheville, N. C., 1901-02; Professor of Chemistry, New Jersey State Normal School, 1902-04; Instructor in Chemistry, Vassar College, 1905-06; Assistant Chemist, Delaware College Experimental Station, 1906-07; Instructor in Chemistry, Pennsylvania State College, 1907-10, and Assistant Professor of Agricultural Chemistry, 1910-11.

MACLEOD, ANNIE LOUISE, See page 16.
Fellow in Chemistry, 1909-10.

MADDISON, ISABEL, See page 25.
Fellow in Mathematics, 1893-94.

MANN, CARRIE ALICE, Died, 1905.
Fellow in Mathematics, 1903-04. A.B., Wellesley College, 1893. Graduate Student, Bryn Mawr College, and Teacher of Mathematics in the Misses Kirk's School, Rosemont, Pa., 1901-03; Teacher of Mathematics in Mrs. Chapman and Miss Jones's School, Chestnut Hill, Philadelphia, 1904-05.

MARCUSE, BELLA,
6 Frontenac Apartments, 442 Sanguinet Street, Montreal, Canada.
Fellow in Chemistry, 1904-05. A.B., McGill University, 1900, and M.Sc., 1903. Student, University of Breslau, 1900-01; Assistant, McGill Model School, Montreal, Canada, January to June, 1904; Student in French, McGill University, 1905-07, and Private Tutor, 1905-08; Recording Secretary of the National Council of Women of Canada, 1908-11.
Married, 1908, *Mr. Douglas McIntosh*.

MARTIN, EMILIE NORTON, See page 26.
Fellow in Mathematics, 1895-96.

MASON, GERTRUDE HELEN, 2627 Channing Way, Berkeley, Cal.
Fellow in English, 1887-88. Ph.B., University of Michigan, 1876, and Ph.M., 1888. Graduate Student in English, University of Michigan, 1888-89; Teacher of English in the High School, Petaluma, Cal., 1889-95, in the High School, San Diego, Cal., 1895-96; Graduate Student in English, Leland Stanford, Jr., University, 1896-97 and 1900-01; Assistant to Dr. Ewald Flügel on Chaucer Lexicon, 1904-05; Teacher of English in the Kern County High School, Bakersfield, Cal., 1897-98, and in the Union High School, Haywards, Cal., 1899-1900; Private Tutor in English, 1900-02, 1905-11.

McNAIR, GRACE ELIZABETH, Brodhead, Wis.
Fellow in History, 1900-01. L.B., University of Wisconsin, 1898, and L.M., 1899. Assistant in History in the High School, Madison, Wis., 1899-1900; Assistant in Latin, German, and History in the High School, Brodhead, 1902-04.

MERRILL, KATHARINE, Boston Normal School, Boston, Mass.
Fellow in English, 1890-91. A.B., University of Kansas, 1889. Graduate Student in English, Bryn Mawr College, 1889-90; Harvard Annex, 1891-92; Assistant Professor of English Language and Literature, University of Illinois, 1892-97; Fellow in English, University of Chicago, 1897-98; Teacher of English, Austin High School, Chicago, Ill., 1898-1903; Teacher of the History of Literature in the Leland Powers School of the Spoken Word, Boston, 1905-08; Teacher in the Department of Expression and Reading, Boston Normal School, 1908-11.

MILES, CAROLINE, Bloomingdale, Ind
Fellow in History, 1891-92. A.B., Earlham College, 1887; A.M., University of Michigan, 1890, and Ph.D., 1892. Teacher of Latin in the Friends' Academy, Bloomingdale, Ind., 1888-89; University of Michigan, 1889-91; Instructor in Philosophy and Political Economy, Mt. Holyoke College, 1892-93; Tutor in History, Wellesley College, 1893-94, and Instructor in Psychology, 1894-95; University Extension Work, Chicago, 1897-1900; Assistant Reference Librarian, John Crerar Library, Chicago, 1900-04.
Married, 1895, *Mr. William Hill*.

MILLMAN, MABEL HELEN, 490 Huron Street, Toronto, Ontario, Canada.

Fellow in French, 1908-09. A.B., University of Toronto, 1907. Graduate Student, University of Toronto, June, 1907, to January, 1908; Teacher of History in the Westbourne School, Toronto, January to June, 1908, and of Latin in Havergal College, Toronto, April to June, 1908; Graduate Student University of Toronto, 1910-11.

MORRIS, MARGARET SHOVE, 1904 Mt. Royal Avenue, Baltimore, Md.

Fellow in History, 1907-08. A.B., Woman's College of Baltimore, 1904. Holder of Foundation Scholarship, Bryn Mawr College, 1904-06; Holder of the Alumnae Fellowship of the Woman's College of Baltimore and Research Student at the Public Record Office, London, 1906-07; Instructor in History, Mt. Holyoke College, 1908-11.

MORSE, KATE NILES, See page 26.

Fellow in Greek, 1900-01.

MORY, RUTHELLA BERNARD, The Somerset, Baltimore, Md.

Fellow in History, 1899-1900. A.B., Woman's College of Baltimore, 1897; Ph.M., University of Chicago, 1899. Student in English and History, University of Oxford, England, 1897-98; Graduate Student in History and History of Art, University of Chicago, 1898-99; Student, London School of Economics, 1900; Research work in History in the British Museum and in the Public Record Office, London, 1900-02; Writer on History, 1910-11.

Married, 1903, *Mr. Arthur Barneveld Bibbins*.

NEILSON, NELLIE, Mt. Holyoke College, South Hadley, Mass.

Fellow in History, 1894-95. A.B., Bryn Mawr College, 1893, group, Greek and English, A.M., 1894, and Ph.D., 1899, subjects, History and English. Graduate Student, Bryn Mawr College, 1893-94, 1895-96, 1900-01; Holder of the American Fellowship of the Association of Collegiate Alumnae, 1895-96; Research work in History in Cambridge, England, and in the Public Record Office, London, 1896-97; Teacher of History in Miss Irwin's School, Philadelphia, 1897-1900; Private Research work, 1897-1905; Reader in English, Bryn Mawr College, 1900-02; Instructor in History, Mt. Holyoke College, 1902-03; Acting Professor of European History, 1903-04, and Professor of History, 1904-11; in England on leave of absence, 1908-09.

NICHOLS, ELIZABETH, 1918 N. Penn Street, Indianapolis, Ind.

Fellow in Biology, 1893-94. A.B., Bryn Mawr College, 1893, group, Chemistry and Biology. Graduate Student, 1894-95; Teacher of Science in the Girls' High School, Philadelphia, 1895-96; Secretary of the Indianapolis Branch of the Needlework Guild of America, 1907-08.

Married, 1896, *Mr. Charles W. Moores*.

NORTHWAY, MARY ISABEL,

1657 Burnaby Street, Vancouver, B. C., Canada.

Fellow in Physics, 1900-01. A.B., University of Toronto, 1898. Ontario Normal College, 1898-99; Graduate Scholar in Physics, Bryn Mawr College, 1899-1900; Student of Domestic Science, 1901-02; Assistant in Physics Department, Smith College, 1902-03.

Married, 1904, *The Rev. R. J. Wilson*.

NOWLIN, NADINE, See page 26.

Fellow in Biology, 1905-06.

O'GRADY, MARCELLA I., Würzburg, Bavaria.

Fellow in Biology, 1887-89. S.B., Massachusetts Institute of Technology, 1885. Teacher of Science in the Bryn Mawr School, Baltimore, Md., 1885-87; Demonstrator in Biology, Bryn Mawr College, 1888-89; Associate Professor of Biology, Vassar College, 1889-93, and Professor of Biology, 1893-96.

Married, 1897, *Professor Theodore Boveri*.

OLSEN, SOPHIE YHLEN, Kastelsvej 25, Copenhagen, Denmark.

Fellow in Teutonic Philology, 1899-1900. A.B., Bryn Mawr College, 1898, group, Greek and Latin, and A.M., 1899. A.M., University of Copenhagen, 1902. Graduate Scholar in English and Teutonic Philology, Bryn Mawr College, 1898-99; Student, Universities of Copenhagen and Leipsic, 1900-01;

- University of Copenhagen, 1901-02; Teacher of English Literature in the Zahle Institute for Teachers, Copenhagen, 1905-10; and Teacher of English in the State College for Teachers, Copenhagen, 1908-10.
- Married, 1902, *Dr. Henrik Bertelsen*.
- PARKER, EMMA HARRIET,Charlestown, N. H.
Fellow in Chemistry, 1893-94. B.S., Smith College, 1887. Graduate Student in Chemistry, Bryn Mawr College, 1892-93, and Graduate Scholar in Chemistry, 1894-95; Instructor in Chemistry, Wellesley College, 1895-97; Teacher of Science in the High School, New Bedford, Mass., 1897-1900; Teacher of Chemistry in the High School, Newton, Mass., 1900-10; Student of Chemistry, the Sorbonne and University of Berlin, 1909-10.
- PARRIS, MARION, See page 26.
Fellow in Economics and Politics, 1905-06.
- PASCHALL, ANNIE GOODE,Died, 1895.
Fellow in Greek, 1894-95. A.B., Vanderbilt University, 1894.
- PEEBLES, FLORENCE,See page 20.
Fellow in Biology, 1896-97.
- PEEBLES, ROSE JEFFRIES,Vassar College, Poughkeepsie, N. Y.
Fellow in English, 1907-08. A.B., Mississippi State College for Women, 1891. University of Chicago, Summer, 1897, 1898, 1905; Harvard University, Summer, 1902; Columbia University, Summer, 1903; Graduate Student in English, Bryn Mawr College, 1906-07, and Graduate Scholar and Fellow by Courtesy in English, 1908-09; Special Research Scholar and Student, British Museum and Bodleian Library, Oxford, Summer, 1909; Instructor in English, Vassar College, 1909-11.
- PERKINS, ELIZABETH MARY, See page 26.
Fellow in Latin, 1902-03.
- PETTY, MARY,211 S. Ashe Street, Greensboro, N. C.
Fellow in Chemistry, 1895-96. S.B., Wellesley College, 1885. Teacher of Latin, Guilford College, 1888-93; Teacher of Chemistry and Physics in the State Normal and Industrial College, Greensboro, 1893-95, and 1896-99, and Head of Department of Chemistry, 1899-1911.
- POTTS, LAURETTE EUSTIS,Pelham Manor, N. Y.
Fellow in English, 1899-1900. Mistress of Pembroke Hall East, Bryn Mawr College, 1895-96. A.B., Bryn Mawr College, 1897, group, Latin and English. Sorbonne and Collège de France, 1896-97; Graduate Student, Bryn Mawr College, 1897-98, Reader in English, 1897-99; Student, University of Munich, 1900-01.
- Married, 1905, *Mr. Lewis Frederic Pease*.
- PURDIE, ELEANOR,Ortler, Prestbury, Gloucestershire, England.
Fellow in Greek, 1895-96. Newnham College, University of Cambridge, England, 1890-94; Classical Tripos, Part I, First Class, 1893; Part II, 1894; Ph.D., University of Freiburg, 1897. Holder of the Marion Kennedy Studentship, and Student in Indo-European Philology, University of Freiburg, 1894-95; Classical Mistress in the Notting Hill High School, London, 1897-98; Head Classical Tutor, Cheltenham Ladies' College, Cheltenham, England, 1898-1911.
- RABOURN, SARA BREWER FRANCIS,Centralia, Mo.
Fellow in Mathematics, 1906-07. A.B., University of Missouri, 1902, and A.M., 1904. Scholar in Mathematics, University of Missouri, 1903-04; Assistant Principal and Teacher of Mathematics in the High School, Fredericktown, Mo., 1907-08, and Principal, 1908-09; Head of the Mathematical Department in the High School, Hannibal, Mo., 1909-11.
- RAGSDALE, VIRGINIA,See page 20.
Fellow in Mathematics, 1902-03.
- RAND, MARIE GERTRUDE, See page 16.
Fellow in Philosophy, 1909-10, and Fellow in Psychology, 1910-11.
- RANDOLPH, HARRIET,See page 12.
Fellow in Biology, 1889-90.

REED, BERTHA, McMillan Hall, Washington University, St. Louis, Mo. Fellow in Teutonic Philology, 1906-07. Illinois Woman's College, 1893-96. Ph.B., De Pauw University, 1898, and A.M., 1900. University of Berlin, Winter Semester, 1902-03. University of Zürich, 1903, 1903-04; Instructor in German, Bradley Polytechnic Institute, Peoria, Ill., 1907-09.

Married, 1909, *Mr. George Raleigh Coffman*.

REED, MARGARET ADALINE,823 W. Eutaw Street, Baltimore, Md.

Fellow in Biology, 1908-09. A.B., Woman's College of Baltimore, 1901. Graduate Student in Biology, Bryn Mawr College, 1901-03, and Graduate Scholar, 1902-03. Wood's Holl Laboratory, Summers of 1900 and 1902; Assistant in Zoological Laboratory, Columbia University, 1903-05; University of Zürich, Summer, 1906; Assistant in Zoology, Columbia University, 1903-06; Lecturer in Physiology, New York Medical College for Women, and Barnard College, 1904-07; Instructor in Biology, Barnard College, 1907-08; Student in Berlin Königliches Institut für Infektions-Krankheiten, Summer, 1908; Research Work in Johns Hopkins University Medical Department, 1910-11.

Married, 1910, *Dr. Warren H. Lewis*.

REIMER, MARIE, See page 27.

Fellow in Chemistry, 1899-1900, 1901-02.

REYNOLDS, GRACE POTTER,98 Bedford Street, Stamford, Conn.

Fellow in Chemistry, 1908-09. A.B., Smith College, 1904; A.M., Columbia University, 1905; Ph.D., Bryn Mawr College, 1911, subjects, Organic Chemistry, Physical and Inorganic Chemistry and Physics. Graduate Student, Columbia University, 1904-05; Assistant in Chemistry, Barnard College, 1906-08; Graduate Student, Bryn Mawr College, 1909-10; Research Worker in Chemistry, Barnard College, 1910-11.

REYNOLDS, MINNIE BEATRICE, 244 Myrtle Avenue, San Francisco, Cal.

Fellow in Greek, 1897-98. A.B., University of California, 1895, and A.M., 1897. Instructor in Greek and Latin in the High School, Centerville, Cal., 1896-97; Fellow by Courtesy in Greek, Bryn Mawr College, 1898-99; Teacher of Latin in the Misses Shipley's School, Bryn Mawr, Pa., 1898-99; Instructor in Latin, Vassar College, 1899-1900; Instructor in Greek in the High School, Los Angeles, Cal., 1900-01; Teacher of Greek and Latin in the High School, San Francisco, 1901-03.

Married, 1903, *Mr. James A. Kinkead*.

RITCHIE, MARY HELEN, Died, 1905.

Fellow in Latin, 1898-99. A.B., Bryn Mawr College, 1896, group, Greek and Latin. A.M., 1897, and Ph.D., 1902, subjects, Latin and Greek. Graduate Scholar in Greek and Latin, Bryn Mawr College, 1896-97, Graduate Student, 1897-98; Secretary of Bryn Mawr College, 1899-1904.

ROCK, AMY CORDOVA,1455 Belmont Street, Washington, D. C.

Fellow in Chemistry, 1894-95. A.B., Bryn Mawr College, 1893, group, Physics and Chemistry. Assistant in Chemical Laboratory and Graduate Student, Bryn Mawr College, 1893-94; Student, University of Heidelberg, 1895-96; and University of Berlin, 1896-97; Chairman of Committee on Home Economics in the Washington Branch of the Association of Collegiate Alumnae, 1906-08; Corresponding Secretary of the Washington Committee of the League for Social Service, 1907-08.

Married, 1899, *Mr. Frederick Leslie Ransome*.

SALMON, LUCY MAYNARD,263 Mill Street, Poughkeepsie, N. Y.

Fellow in History, 1886-87. A.B., University of Michigan, 1876, and A.M., 1883. Teacher of History in the Indiana State Normal School, 1883-86; Associate Professor of History, Vassar College, 1887-89, and Professor of History, 1889-1911.

SANDISON, HELEN ESTABROOK, See page 21.

Fellow in English, 1908-09.

SATTERTHWAITE, SARAH E.,2037 Franklin Avenue, Toledo, O.

Fellow in Greek, 1886-87. A.B., University of Michigan, 1886. Assistant in Greek and Latin, Hope College, Holland, Mich., 1887-88; Private Tutor in Greek and Latin, 1898-1900.

Married, 1890, *Dr. Francis Alexander Leslie*.

SCHAEFFER, HELEN ELIZABETH, See page 19.

Fellow in Physics, 1904-05.

DE SCHWEINITZ, AGNES JULIA,

11 Cummings Apartments, First and D Streets, Salt Lake City, Utah.

Fellow in Teutonic Philology, 1902-03. A.B., Bryn Mawr College, 1899. group, German and French, and A.M., 1900. Graduate Scholar in German and Teutonic Philology, Bryn Mawr College, 1899-1900; Teacher of German in the Portland School, Portland, Ore., 1900-01; University of Leipsic, 1901-02; Teacher of German in the Bryn Mawr School, Baltimore, Md., 1903-08.

Married, 1908, *Mr. Edward Robins Zalinski*.

SEWALL, HANNAH ROBIE, Forest Glen, Md.

Fellow in History, 1888-89. A.B., University of Minnesota, 1884, and Ph.D., 1898; A.M., University of Michigan, 1887. Fellow by Courtesy in History, Bryn Mawr College, 1889-90; Assistant in Political Science, University of Minnesota, 1893-1901; Assistant, Boston Children's Aid Society, 1904-07.

SHAPIRO, REBECCA, Marshfield, Wis.

Fellow in Romance Languages, 1900-01. L.B., University of Wisconsin, 1898, and L.M., 1900. Graduate Student, University of Wisconsin, 1899-1900; Assistant Principal of the High School, Grand Rapids, Wis., 1902-03.

Married, 1904, *Mr. Richard Strauss*.

SHEARER, EDNA ASTON, See page 27.

Junior Fellow in Philosophy, 1904-05; Fellow in Philosophy, 1906-07.

SHEAVYN, PHOEBE, A.B., The University, Manchester, England.

Fellow in English, 1895-96. Scholar, University College of Wales, Aberystwyth, Wales, 1887-89, and 1892-94; B.A., University of London, 1889; M.A., 1894, and D.Litt., 1906. Member of Governing Court of University of Wales; Reader in English, Bryn Mawr College, 1894-95; Lecturer and Tutor in English Literature to the Association for Promoting the Education of Women, in Oxford, England, 1896-1905; Resident Tutor and Lecturer in English, Somerville College, University of Oxford, England, 1897-1905; Member of Governing Committee of Women's University Settlement, Southwark, London, 1900-07; Member of Council of University College of Wales, Tutor for Women Students, University of Manchester, Warden of Women's Hall of Residence and Lecturer in English Literature, 1907-11.

SHOEMAKER, JANE CUSHING, Died, 1910.

Fellow in Economics and Politics, 1909-10. A.B., Bryn Mawr College, 1905, group, History and Economics and Politics, and A.M., 1910. Graduate Student, Bryn Mawr College, 1907-08.

SHUTE, HELEN WINIFRED, 25 Fourth Street, Bangor, Me.

Fellow in Teutonic Philology, 1893-94. A.B., Smith College, 1887. Assistant in German, Smith College, 1887-93; Fellow by Courtesy in Teutonic Philology, Bryn Mawr College, 1894-95; Student in Teutonic Philology, University of Göttingen, 1895-99; Alumnae Trustee of Smith College, 1902-05.

Married, 1900, *Mr. Warren J. Moulton*.

SINCLAIR, ALICE, Wailuku, Maui, H. I.

Fellow in Teutonic Philology, 1903-04. Ph.B., Oberlin College, 1889. Teacher of German and Science in the Kent Place School, Summit, N. J., 1900-02; Student, University of Marburg, 1902-03; Teacher of German and English, Brockport State Normal School, Brockport, N. Y., 1904-05, and of French and German, 1905-06.

Married, 1906, *The Rev. Rowland Backus Dodge*.

SMITH, AMELIA CATHERINE, 4003 Powelton Avenue, Philadelphia.

Fellow in Biology, 1900-01. S.B., University of Pennsylvania, 1889. Graduate Scholar in Biology, Bryn Mawr College, 1899-1900; Demonstrator in Zoology, University of Pennsylvania, 1901-02; Graduate Student, University of Pennsylvania, 1904-06.

Married, 1901, *Mr. Philip Powell Calvert*.

SMITH, EUNICE CLARA, See page 21.
Fellow in English, 1909-10.

SMITH, EVA MARIA,The Ladies' College, Cheltenham, England.
Fellow in Mathematics, 1908-09. Newnham College, University of Cambridge, 1904-08, Graduate in Honours, First Class, Cambridge Mathematical Tripos, Part I, 1907, and Part II, 1908; Lecturer in Mathematics at the Ladies' College, Cheltenham, 1910-11.

SMITH, MINNA STEELE.....Newnham College, Cambridge, England.
Fellow in Teutonic Philology, 1894-96. Newnham College, University of Cambridge, 1890-94; Medieval and Modern Languages Tripos, First Class, 1893. Assistant Lecturer in English, Newnham College, 1896-98; Staff Lecturer in Mediæval and Modern Languages, Newnham College, 1898-1903, and Director of Studies in Mediæval and Modern Languages, 1905-11; Lecturer in English, Girton College, University of Cambridge, 1898-1903, and 1906-11.

SOUTHWORTH, EFFIE A.....Loma Linda, Cal.
Fellow in Biology, 1885-86. S.B., University of Michigan, 1885. Student Assistant in the Biological Laboratory, Bryn Mawr College, 1886-87; Assistant Mycologist of the United States Agricultural Bureau, Washington, D. C., 1887-92; Assistant in Botany, Barnard College, 1892-95; Working for the Carnegie Institution, Washington, 1910-11.

Married, 1896, *Mr. Volney Morgan Spalding*.

SPENCER, FANNIE GRACE CLARA,
1811 S. Third Street, Terre Haute, Ind.
Research Fellow in Chemistry, 1909-10. B.S., University of Illinois, 1908, and A.M., 1909. Teacher of Science and Bookkeeping in the East Chicago High School, 1910-11.

STEVENS, NETTIE MARIA,See page 27.
Fellow in Biology, 1902-03.

STEWART, ANNE AMELIA,28 Church Street, Saranac Lake, N. Y.
Fellow in Mathematics, 1886-87. University College, London, 1880-82; B.Sc., Dalhousie College, 1886. Teacher of Mathematics in Miss Mary E. Stevens's School, Germantown, Philadelphia, 1888-93, 1895-96; Student in Mathematics and Physics, Newnham College, University of Cambridge, England, 1893-95; Teacher of Mathematics in the Stevens School, Germantown, 1896-99; Private Tutor, 1900-03, 1908-09; Teacher of Mathematics, St. Margaret's College, Toronto, Canada, 1903-04; Teacher of Mathematics, Miss Knox's School, Briarcliff Manor, N. Y., 1905-06.

STREET, JENNETTE ATWATER...47 Lakeview Avenue, Cambridge, Mass.
Fellow in Latin, 1895-96. A.B., University of Toronto, 1895. Teacher of Classics, St. Margaret's College, Toronto, Canada, 1897-1901.
Married, 1901, *Professor Edward C. Jeffrey*.

SWEET, MARGUERITE,250 West 72nd Street, New York City.
Fellow in English, 1891-92. A.B., Vassar College, 1887; Ph.D., Bryn Mawr College, 1892, subjects, English and Teutonic Philology. Graduate Student in Teutonic Philology and English, Bryn Mawr College, 1889-90. Graduate Scholar in Teutonic Philology, 1890-91; Instructor in English, Vassar College, 1892-97; Professor of English Literature, Mt. Holyoke College, 1897-99; Teacher of English in the Misses Ely's School, New York City, 1899-1905; Principal of the Hawthorne School, New York City, 1906-11.

SWINDLER, MARY HAMILTON,See page 28.
Fellow in Greek, 1907-09.

TAYLOR, LILY ROSS,7810 Bond Avenue, Chicago, Ill.
Fellow in Latin, 1907-08. A.B., University of Wisconsin, 1906. Graduate Scholar in Latin, Bryn Mawr College, 1906-07; Graduate Student in Greek and Latin, and Reader in Latin, 1908-09; Student, University of Bonn and American School of Classical Studies, Rome, 1909-10; Reader and Demonstrator in Archæology, Bryn Mawr College, 1910-11.

THOMPSON, CHARLOTTE DE MACKLOT,The Terraces, Camden, S. C.
Fellow in Romance Languages, 1896-97. A.B., Bryn Mawr College, 1896,
group, Greek and French, and A.M., 1897.

TIBBALS, KATE WATKINS,Vassar College, Poughkeepsie, N. Y.
Fellow in English, 1901-02. A.B., Wellesley College, 1899; Ph.D., University
of Pennsylvania, 1904. Graduate Scholar in English, Bryn Mawr College,
1900-01; Fellow in English, University of Pennsylvania, 1902-03,
and University Fellow, 1903-04; Instructor in English, Wellesley College,
1904-05; Instructor in English Literature, Vassar College, 1905-10.

TORELLE, ELLEN,1017 14th Avenue, S. E., Minneapolis, Minn.
Fellow in Biology, 1903-04. Ph.B., University of Minnesota, 1901, and A.M.,
1902. Graduate Scholar, Bryn Mawr College, 1902-03; Dean of Milwaukee-
Downer College and Professor of Biology, 1903-08; Scholar of the Naples
Table Association for Promoting Scientific Research by Women, 1909-10.

TOWLE, ELIZABETH WILLIAMS, . .The Baldwin School, Bryn Mawr, Pa.
Fellow in Biology, 1899-1900. A.B., Bryn Mawr College, 1898, group, Chem-
istry and Biology, and A.M., 1899. Graduate Scholar in Physics and
Biology, Bryn Mawr College, 1898-99; Teacher of Science in the High
School, Middletown, Conn., 1900-01; Instructor in Biology, Rockford Col-
lege, Rockford, Ill., 1901-03; Fellow in Physiology, University of Chicago,
1903-04; Graduate Student, Columbia University, 1904-06; Teacher of
Physiology in Miss Jacob's School, New York City, 1904-05; Teacher of
Science in the Baldwin School, Bryn Mawr, 1907-11.

TRAYER, HOPE,See page 28.
Fellow in English, 1903-04.

URDAHL, MARGERETHE,Charleston, Ill.
Fellow in Teutonic Philology, 1900-02, and Special Fellow in Teutonic Phil-
ology, 1902-03. L.B., University of Wisconsin, 1896, and Ph.D., Bryn
Mawr College, 1904, subjects, Teutonic Philology, German Literature and
Sanskrit. Student, University of Berlin, 1898 and 1899; University of
Heidelberg, Summer Term, 1899; University of Christiania, October, 1899;
Teacher of German and Latin in the Chelton Hills School, Wyncote, Pa.,
1903-04; Teacher of German and History, Eastern Illinois State Normal
School, Charleston, Ill., 1905-06.

Married, 1906, Mr. Lewis Albert Anderson.

VANDEMAN, ESTHER BOISE,2514 13th Street, Washington, D. C.
Fellow in Latin, 1892-93. A.B., University of Michigan, 1891, and A.M.,
1892; Ph.D., University of Chicago, 1898. Instructor in Latin, Welles-
ley College, 1893-95; Teacher of Latin in the Bryn Mawr School, Balti-
more, Md., 1895-96; Fellow in Latin, University of Chicago, 1896-98; Act-
ing Professor of Latin, Mt. Holyoke College, 1898-99, and Associate Pro-
fessor of Latin, 1899-1901; American School of Classical Studies, Rome,
1901-03; Associate Professor of Latin, the Woman's College, Baltimore,
1903-06; Fellow in Classical Archaeology of the Carnegie Institution, Rome,
1906-09, and Research Associate of the Carnegie Institution of Washing-
ton, 1910-13.

WADDELL, MARY EVELYN GERTRUDE,Orono, Ontario, Canada.
Fellow in Mathematics, 1904-05. A.B., University of Toronto, 1903, and
A.M., 1904. Graduate Scholar in Mathematics and Physics, Bryn Mawr
College, 1903-04; Instructor in Mathematics in St. Margaret's College,
Toronto, and Graduate Student and Tutor, University of Toronto, 1906-11.

WALKER, ANNA MARTHA, . .1300 Carroll Avenue, Los Angeles, Cal.
Fellow in Latin, 1905-06. A.B., Bryn Mawr College, 1895, group, Greek and
Latin; A.M., Leland Stanford, Jr., University, 1901. Teacher of English
in the National Institute for Girls, Guatemala City, Central America,
1896-97; Graduate Student, Leland Stanford, Jr., University, 1897-98,
1900-01; Graduate Student, Bryn Mawr College, Second Semester, 1898-
99; Teacher in the Misses Wyllie's School, Mt. Holly, N. J., 1899-1900;
Teacher of Latin and French in the High School, Ogden, Utah, 1901-02, and
Teacher of Latin and Spanish, 1902-04; Student, American School of Clas-
sical Studies, Rome, 1904-05; Teacher of Greek in the High School, Los
Angeles, Cal., 1906-11.

WARREN, WINIFRED,See page 28.
Fellow in Latin, 1893-94.

WEEKS, EULA ADELINE,See page 21.
Fellow in Mathematics, 1909-10.

WERGELAND, AGNES MATHILDE,Laramie, Wyo.
Fellow in History, 1890-91. Studied under the direction of Prof. Konrad Maurer, Munich, 1884-86; University of Zürich, 1888-90; Ph.D., University of Zürich, 1890. Reader in History of Art, Bryn Mawr College, 1891-93; Docent in History, University of Chicago, 1896-1902, and Non-Resident Reader in History, University Extension Division, 1903-05, and Non-Resident Instructor, 1906-09; Professor of History and French, University of Wyoming, 1902-09, and of History and Spanish, 1909-11.

WHITE, FLORENCE DONNELL,Vassar College, Poughkeepsie, N. Y.
Fellow in French, 1907-08. A.B., Mt. Holyoke College, 1903, and A.M., 1907. Student, University of Paris, 1903-04; Graduate Scholar in Romance Languages, Bryn Mawr College, 1906-07; Instructor in French, Vassar College, 1908-11.

WILKINSON, ANNIE LYNDESAY,
623 Westview Street, Germantown, Philadelphia.

Fellow in Mathematics, 1899-1900. A.B., Vassar College, 1897, and A.M., 1898. Graduate Scholar, Vassar College, 1897-98. Babbott Fellow of Vassar College, and Graduate Scholar in German and Mathematics, Bryn Mawr College, 1898-99; Instructor in Mathematics, Vassar College, 1900-02.
Married, 1902, *Dr. Joseph Head*.

WILLIAMS, ELLA CORNELIA, ..609 West 127th Street, New York City.
Fellow in Mathematics, 1885-86. A.M., University of Michigan, 1880. Studied under Professor Schwarz, Göttingen, Germany, 1883-85; Newnham College, University of Cambridge, England, Spring Term, 1884; Teacher of Mathematics in Miss Moses's School, New York City, 1886-87; Teacher of Mathematics in the State Normal School, Plymouth, N. H., 1887-89; Teacher of Mathematics in Miss Spence's School, New York City, 1892-1911.

WILLIS, GWENDOLEN BROWN,941 Lake Avenue, Racine, Wis.
Fellow in Greek, 1902-04. A.B., University of Chicago, 1896, Ph.D., Bryn Mawr College, 1906, subjects, Greek and Archæology. Graduate Student, University of Chicago, 1900-01; American School of Classical Studies, Athens, 1901-02; Professor of Greek, Milwaukee-Downer College, and Teacher of Latin in Milwaukee-Downer Seminary, 1904-11; Student in Columbia University, on leave of absence, 1910-11.

WINSTON, MARY FRANCES, 1620 Massachusetts Street, Lawrence, Kan.
Fellow in Mathematics, 1891-92. A.B., University of Wisconsin, 1889; Ph.D., University of Göttingen, 1897; Teacher of Mathematics, Downer College, 1889-91; Honorary Fellow in Mathematics, University of Chicago, 1892-93; Holder of the European Fellowship of the Association of Collegiate Alumnae, 1895-96; Student in Mathematics, University of Göttingen, 1893-96; Professor of Mathematics, Kansas State Agricultural College, 1897-1900.

Married, 1900, *Mr. Henry Byron Newson*.

WOOD, IDA,2038 Spring Garden Street, Philadelphia.
Fellow in English, 1888-89. A.B., Vassar College, 1877, and A.M., 1889; Ph.D. Bryn Mawr College 1891. Graduate Student in English, Bryn Mawr College, 1887-88, 1889-90, and Fellow by Courtesy in English, 1890-91; Secretary of the Woman's Department, University of Pennsylvania, 1892-93; Secretary of the Bryn Mawr School, Baltimore, Md., 1894-96.

SUMMARY OF FELLOWSHIPS AWARDED.

EUROPEAN FELLOWSHIPS.	Founded.	Number of Holders.
Bryn Mawr European	By the Trustees in 1885	20
Mary E. Garrett European...	By Miss Garrett in 1904	16
President M. Carey Thomas		
European	By Miss Garrett in 1896	13
Bryn Mawr Research	By Anonymous Donor, 1906..	1
Special European	" " " 1909..	1
Special Ottendorfer Memorial		
Research Fellowship in		
Teutonic Philology	By Mrs. Anna Woerishoeffer in 1907	2
Total number of European Fellows		52

RESIDENT FELLOWSHIPS.	Founded by the Trustees in	Number of Holders.
In Greek	1885.....	21
In Latin	1892.....	17
In English	1885.....	*21
In Teutonic Philology	1893.....	10
In Romance Languages	1893.....	13
In History and Economics and Politics ...	1885.....	24
In Philosophy	1896.....	8
In Archæology	1909.....	1
In Mathematics	1885.....	21
In Physics	1896.....	10
In Chemistry	1893.....	15
In Biology	1885.....	16
Research Fellowship in Chemistry	1907.....	†2
Total number of Resident Fellows, omitting duplicates..		176
Total		†228

*Two students have held Fellowships in English who also held Fellowships in other subjects.

† One of these students previously held a Fellowship in Chemistry.

‡ Of these twenty-eight have held both European and Resident Fellowships.

BRYN MAWR COLLEGE.

GRADUATE COURSES OF INSTRUCTION.

BRYN MAWR COLLEGE, situated at Bryn Mawr, Pennsylvania, five miles from Philadelphia, was endowed by Dr. Joseph W. Taylor of Burlington, New Jersey, who purposed founding an institution of learning for the advanced education of women which should afford them "all the advantages of a college education that are so freely offered to young men." In the spring of 1885 the first program was issued, and the college opened for instruction in the following autumn.

Three classes of persons are admitted to the lectures and class work of the college—graduate students, undergraduate students, and hearers. For the convenience of graduate students the regulations of the graduate department and the graduate courses of instruction are published separately. No undergraduates are admitted to graduate courses.

Regulations of the Graduate Department.

From the first it has been the policy of the Trustees of Bryn Mawr College to organise no department in which they could not provide for graduate as well as undergraduate study. Only such instructors have been chosen as are qualified to direct both graduate and undergraduate work. In each department a consecutive series of graduate courses pursued throughout three years provides preparation in the chief or major subject of the examination for the degree of Doctor of Philosophy, and certain courses may be pursued for one or two years and offered as one of the two minor or secondary subjects.

Admission.

Graduate students must have presented a diploma from some college of acknowledged standing.* They may pursue any

* The certificates of the women's colleges of the English universities of Oxford and Cambridge, are regarded as equivalent to a first degree,—i. e. to the degree of Bachelor of Arts.

courses offered by the college for which their previous training has fitted them; but they must satisfy the several instructors of their ability to profit by the courses they desire to follow, and may be required to pursue certain introductory or auxiliary studies before they are admitted to the advanced or purely graduate courses. They are, moreover, entitled to personal guidance and direction, supervision of their general reading and furtherance of their investigations, from the instructors, and their needs will be considered in the arrangement of new courses of lectures; they must consult the President in regard to the courses they are to pursue, and must be duly registered for those courses at the President's office.

A reading knowledge of French and German is regarded as of the utmost importance to all graduate students, and is required of all candidates for a second degree. The undergraduate department will afford the student every opportunity for making good any deficiencies in this respect.

Fellowships and Scholarships.

The most distinguished place among the graduate students is held by the Fellows, who must reside in the college during the academic year. Twelve resident fellowships, of the value of five hundred and twenty-five dollars each, are awarded annually in Greek, Latin, English, German and Teutonic Philology, Romance Languages, History or Economics and Politics, Philosophy, Archæology, Mathematics, Physics, Chemistry, and Biology. They are open for competition to graduates of Bryn Mawr College, or of any other college of good standing, and will be awarded only to candidates who have completed at least one year of graduate work after obtaining their first degree. The fellowships are intended as an honor, and are awarded in recognition of previous attainments; generally speaking, they will be awarded to the candidates that have studied longest or to those whose work gives most promise of future success.

The holder of a fellowship is expected to devote at least one half her time to the department in which the fellowship is awarded, and to show, by the presentation of a thesis or in some other manner, that her studies have not been without result.

All fellows may study for the degree of Doctor of Philosophy, the fellowship being counted, for this purpose, as equivalent to the degree of Bachelor of Arts. Fellows that continue their studies at the college after the expiration of the fellowship, may, by a vote of the directors, receive the rank of Fellows by Courtesy.

A Research Fellowship in Chemistry has been founded and was awarded for the first time in 1907. It is open to graduate students who have received the degree of Doctor of Philosophy or who have completed equivalent work. The fellowship is of the value of seven hundred and fifty dollars, and the holder is required to reside at Bryn Mawr College for one year and to assist the head of the Department of Chemistry in research work.

Fellows are expected to attend all college functions, to wear academic dress, to assist in the conduct of examinations, and to give about an hour a week to the care of special libraries in the halls of residence and in the seminaries, but no such service may be required of them except by a written request from the president's office; they are not permitted, while holding the fellowship, to teach, or to undertake any other duties in addition to their college work. Fellows are required to reside in the college and are assigned rooms by the Secretary of the College. They are charged the usual fee of four hundred and five dollars for tuition, board, room rent, and infirmary fee.

Eighteen Graduate Scholarships, of the value of two hundred dollars each, may be awarded to candidates next in merit to the successful candidates for the fellowships; they are also open for competition to graduates of Bryn Mawr College, or of any other college of good standing. Scholars are expected to reside in the college, to attend all college functions, to wear academic dress and assist in the conduct of examinations.

One Graduate Scholarship in Political Theory of the value of two hundred and fifty dollars was founded in 1910 in memory of Susan B. Anthony. It is awarded under the same conditions as the graduate scholarships just mentioned.

Ten Graduate Scholarships, of the value of four hundred and five dollars each, were founded in 1909 and are open, five to English, Scotch, or Irish women, and five to German women, whose academic work has reached a standard equivalent to that denoted by the Bachelor's degree of any

American college or university of acknowledged standing. The amount of the scholarship, four hundred and five dollars, covers the fees for tuition, board, residence, and infirmary fee for the academic year. A furnished single room is assigned to each scholar, but this is not available in the Christmas and Easter vacations when scholars who remain at the College have to pay the expenses of board and residence at approximately the same rate as is charged for graduate students during the academic year.

Application for resident fellowships or scholarships should be made as early as possible to the President of the College, and must be made not later than the fifteenth* of April preceding the academic year for which the fellowship or scholarship is desired. Blank forms of application will be forwarded to the applicants. A definite answer will be given within two weeks from the latest date set for receiving applications. Any original papers, printed or in manuscript, which have been prepared by the applicant and sent in support of her application, will be returned, when stamps for that purpose are enclosed, or specific directions for return by express are given. Letters or testimonials from professors and instructors will be filed for reference.

The Anna Ottendorfer Memorial Research Fellowship in German and Teutonic Philology of the value of seven hundred dollars applicable to the expenses of one year's study and residence at some German university is awarded annually to a graduate student who has completed at least one year of graduate study at Bryn Mawr College. The fellowship will be awarded to the candidate who has pursued the most advanced work, or whose studies afford the most promise of future success. She must show such proficiency in her studies or in independent work as to furnish reason to believe that she will be able to conduct independent investigations in the field of Teutonic Philology or German.

* In the case of candidates for the Scholarships open to British and German women applications must be received by April the first. Applications for the scholarships should be accompanied by full particulars of the candidate's academic work by diplomas or certificates and by letters of recommendation from professors and should be addressed in the case of British candidates to the President of Bryn Mawr College, Bryn Mawr, Pennsylvania, U. S. A., and in the case of German candidates to Seiner Excellenz dem Herrn Staatssekretär des Innern, Reichsamt des Innern, Berlin, Germany.

Two European fellowships, founded by Miss Garrett, of Baltimore, are open to graduate students who are enrolled as candidates for the degree of Doctor of Philosophy. One, founded in 1896, and named by the donor the President M. Carey Thomas Fellowship, is awarded annually on the ground of excellence in scholarship to a student in her first year of graduate work at Bryn Mawr College; the other, founded in 1894, and known as the Mary E. Garrett Fellowship, is awarded annually on the ground of excellence in scholarship to a student still in residence who has for two years pursued graduate studies at Bryn Mawr College. These fellowships, of the value of five hundred dollars each, are intended to defray the expenses of one year's study and residence at some foreign university, English or Continental. The choice of a university may be determined by the holder's own preference, subject to the approval of the Faculty.

Studies Leading to a Second Degree.

Graduates of Bryn Mawr College, and graduates of other colleges, who shall have satisfied the Academic Council that the course of study for which they received a degree is equivalent to that for which the degree of Bachelor of Arts is given at Bryn Mawr College, or who shall have attended such additional courses of lectures as may be prescribed, may apply to the Academic Council to be enrolled as candidates for the degree of Doctor of Philosophy and Master of Arts; admission to the graduate school does not, in itself, qualify a student to become a candidate for this degree. A separate degree of Master of Arts is open to graduates of Bryn Mawr College, but to them only.

The Degree of Master of Arts.

The candidate for the degree of Master of Arts must be a Bachelor of Arts of Bryn Mawr College and must have studied for one full year in the graduate school of Bryn Mawr College, devoting herself to systematic advanced work approved by the Graduate Committee of the Academic Council. The candidate must submit her proposed course of study for the approval of this committee on or before the second Wednesday in November. She must pass a special written examination on each subject to

the satisfaction of the department in which she has studied, and must announce her candidacy to the President not later than the first day of May in the academic year in which the degree is to be conferred.

The Degree of Doctor of Philosophy and Master of Arts.

The degree of Doctor of Philosophy and Master of Arts may be conferred upon graduates of Bryn Mawr College, and upon graduates of other colleges who shall have satisfied the Academic Council either that the course of study for which they received a degree is equivalent to that for which the degree of Bachelor of Arts is given by Bryn Mawr College; or that it has been adequately supplemented by subsequent study.

The candidate must have pursued for at least three years after having received the first degree a course of liberal (non-professional) study at some college or university approved by the Academic Council, and must have spent at least two of these years at Bryn Mawr College. The course of study leading to the degree of Doctor of Philosophy and Master of Arts must consist of one principal, or major, subject and one or two subordinate, or minor, subjects and must be divided between at least two departments. Two-thirds of the candidate's time should be spent on the major subject and the remaining one-third on the minor subject or subjects, and the suggested combination of major and minor subjects for the final examination must have been submitted for approval to the Graduate Committee. The candidate may be required to pursue certain auxiliary studies in connection with the subject that she has elected; and the degree of Doctor of Philosophy is given to no one who cannot read French and German, or who is unacquainted with Latin. The candidate must have written, on some subject connected with her major subject of study, a dissertation approved by the Faculty that bears satisfactory evidence of original research and must pass written examinations and an oral examination in the presence of the members of the Faculty on both major and minor subjects. These examinations are held after the dissertation has been accepted by the department in which it is offered and must be taken within the academic year in which the candidate applies for the degree. The degree

is not conferred until the candidate has satisfied the above requirements and deposited one hundred and fifty printed copies of her dissertation, bound according to a prescribed model, in the office of the Secretary of the College. The degree of Doctor of Philosophy will in no case be conferred by the college as an honorary degree.

Expenses.

For graduate students attending six or more hours a week of lectures, and for fellows and graduate scholars the tuition fee is one hundred and twenty-five dollars a year, payable half-yearly in advance. For other graduate students who do not wish to devote all their time to graduate work the fees are as follows, payable in advance: for one hour a week of lectures, ten dollars a semester; for two hours a week of lectures, twenty dollars a semester; for three hours a week of lectures, thirty dollars a semester; and for four or five hours a week of lectures, forty dollars a semester.* This arrangement is made especially for non-resident graduate students, but those who wish to take five hours a week of lectures or less may live in the college halls on the understanding that they must give up their rooms if needed for students who are taking the full amount of graduate work and paying the regular tuition fee. The tuition fee for the semester becomes due as soon as the student is registered in the college office. No reduction of this fee can be made on account of absence or for any other reason whatsoever. Graduate students are admitted to residence or to attendance on lectures at any time during the year, and in this case a proportionate reduction is made in the charges for board and room-rent and for tuition. Every student who enters the

* The fees charged are reckoned on the basis of the actual hours of conference or lecture, irrespective of the number of undergraduate hours to which the course is regarded as equivalent.

In counting the number of hours for which a graduate is registered the following special arrangements are made in regard to laboratory courses: payment for a one hour lecture course in a scientific department entitles the student to four hours of laboratory work in addition with no extra charge except the laboratory fee. Students registered for laboratory work only, are charged the following tuition fee: for each two and one-half hours of undergraduate laboratory course and for each five hours of graduate laboratory course the same fee as for a one hour lecture course. The laboratory fees as stated on page 55 are charged in addition to the charge for tuition.

college must register immediately at the comptroller's office, and must register her courses at the president's office within two weeks after entrance under penalty of exclusion from the college. Any change made later in the courses registered must be reported immediately to the president's office, or the courses will not be permitted to count, and a charge of one dollar will be made for each change made in the course after it has been definitely registered.

Graduate students taking courses in scientific departments (Physics, Chemistry, Geology, Biology, and Psychology) amounting to six or more hours a week of lecture courses or its equivalent in laboratory courses are charged a laboratory fee of eighteen dollars a semester with the following exceptions: if the student takes, as a regular student, courses in subjects not enumerated above amounting to six hours a week the laboratory fee is reduced to twelve dollars a semester; and if she takes, as a regular student, courses in subjects not enumerated above amounting to ten hours a week the laboratory fee is reduced to six dollars a semester.

Graduate students taking less than six hours a week of lectures, or its equivalent in laboratory work, are charged a laboratory fee of ten dollars a semester for every laboratory course of four or more hours a week, and of five dollars a semester for every laboratory course of less than four hours a week.

In courses in geology each hour of field work counts as one hour of laboratory work.

Residence.

Residence in the college buildings is optional except for holders of resident fellowships and scholarships. In each hall of residence, except Merion Hall, a special wing or corridor is reserved for graduate students, and in order to secure entire quiet no undergraduate students are permitted to engage rooms in the graduate wings. The expense of board and residence in the graduate wings of the college halls is two hundred and seventy-five dollars. Of this amount two hundred dollars is the charge for board, and is payable half-yearly in advance; the remainder is room-rent, and is payable yearly in advance. Every student has a separate bedroom. Room-rent includes all expenses of furnishing, service, heating, and light.

Plans and descriptions of the academic buildings and of the halls of residence, Merion Hall, Radnor Hall, Denbigh Hall, Pembroke Hall West, Pembroke Hall East, and Rockefeller Hall, with a full account of the halls and tariff of rooms, are published as Part 4 of the Bryn Mawr College Calendar and may be obtained by application to the Secretary of the College. Each of the

halls of residence (except Pembroke, which has a common dining-hall and kitchen for the two wings) has its separate kitchen and dining-hall, provides accommodation for from sixty to seventy students, and is under the charge of a resident warden.

Application for rooms should be made as early as possible. The demand for graduate rooms is very great, and since every room unnecessarily reserved may prevent some other student from entering the college, a deposit of fifteen dollars is required in order that the application may be registered. In case the applicant enters the college in the year for which the room is reserved, the amount of the deposit is deducted from the first college bill. If she changes the date of her application or files formal notice of withdrawal at the secretary's office before July fifteenth of the year for which the application is made, the deposit will be refunded. If, for any reason whatever, the change or withdrawal be made later than July fifteenth, the amount will be forfeited. Students making application for a room in February forfeit the deposit if they do not file formal notice of withdrawal at the secretary's office before December first of the academic year for which the room is reserved. In order to make application for a room it is necessary to sign a room-contract, which will be sent on application, and return it with the fee of fifteen dollars to the Secretary of the College. A deposit of fifteen dollars must also be made by each student in residence in order to insure the tenure of her room for the following academic year. This sum will be forfeited if formal notice of withdrawal is not filed at the secretary's office on or before May first of the current year.

Every applicant giving up later than the first of September the room or suite of rooms assigned to her for the ensuing academic year is responsible for the rent thereof for the whole year. Every applicant for a room in February will be responsible for the rent of the room or suite of rooms assigned to her for one semester, unless she gives formal notice of withdrawal to the Secretary before the first of January. The charges for room rent are not subject to remission or deduction under any circumstances, being considered forfeit in case of withdrawal for any cause whatever. The applicant is not entitled to relet the rooms thus left vacant, but this right the college reserves to itself. No refund will be

made to the applicant in case the room or suite of rooms thus left vacant are relet by the college. Any student who changes her room is required to pay an extra fee of fifteen dollars.

Students are expected to provide their own rugs and towels, but in every other respect the rooms are completely furnished. Electric reading lamps, table napkins, sheets, etc., are provided by the college. No part whatever need be taken by the students in the care of their own rooms.

There are open fire-places in nearly all the studies and in many single rooms, but the rooms are sufficiently heated by steam. The air in each room is changed every ten minutes, and the temperature is regulated by a thermostat in each room. The students' personal washing may be done by any laundry recommended by the college for 50 cents a dozen, or about \$8 a half-year for one dozen pieces a week.

No charge is made for sending meals to students that are in the infirmary by the order of a physician.

Accommodation is provided for graduate students that wish to remain at the college during the Christmas and Easter vacations at \$1.25 a day or \$8.75 a week.

The health of the students is under the charge of a Health Committee consisting of the President, the Dean of the College, the Director of Athletics, the Senior Warden, and the physicians of the College.

The Visiting Physician of the College is in her office in the college during the hours from four to six of every afternoon, except Sunday, and may be consulted by the students without charge.

Every student entering the college will be vaccinated unless she can furnish satisfactory proof that she has been successfully vaccinated not more than two years previously.

The conduct of the students in all matters not purely academic, or affecting the management of the halls of residence, or the student body as a whole, is in the hands of the Students' Association for Self-Government, which was organised in 1892. All persons studying in Bryn Mawr College, whether graduates or undergraduates, are members of this association.

The college reserves the right to exclude at any time students whose conduct or academic standing renders them undesirable members of the college community, and in such cases the fees due to the college are not refunded or remitted.

In 1893 the Bryn Mawr Graduate Club was organised by the graduate students then in residence, its object being to further the social life of the graduate students and to facilitate inter-

change of opinion with other colleges and universities doing graduate work. A room in Denbigh Hall is set apart by the college to be used by the members as a club-room. Informal meetings are frequently held in these rooms, and several times during the year the club invites the Faculty and friends of the college to larger social gatherings, which are addressed by well-known speakers.

Summary of Expenses of Graduate Students.

Tuition for the semester, payable on registration :

For one hour* a week of lectures	\$ 10.00
For two hours a week of lectures	\$ 20.00
For three hours a week of lectures	\$ 30.00
For four or five hours a week of lectures	\$ 40.00
For six or more hours a week of lectures	\$ 62.50
Room-rent for the academic year, payable on registration	\$ 75.00
Board for the semester payable on registration	\$100.00

Students whose fees are not paid within one month of the date fixed are not permitted to continue in residence or in attendance on their classes.

Total expenses for the academic year :

Tuition fee, for six or more hours a week of lectures	\$125.00
Room-rent	\$ 75.00
Board	\$200.00
Infirmary fee	\$ 5.00

Total for tuition, residence, and infirmary care for the academic year	\$405.00
Laboratory fees for the academic year	\$10 to \$36

THE STUDENTS' LOAN FUND OF BRYN MAWR COLLEGE was founded by the Class of 1890 for the purpose of receiving contributions, however small, from those who are interested in aiding students to obtain an education. The money thus contributed is distributed in the form of partial aid, and as a loan. It is as a rule applied to the assistance of those students only who have attended courses in the college for at least one year. The Fund is managed by a committee consisting of the President of the College and representatives of the Alumnae Association of Bryn Mawr College. The committee reports yearly to the Board of Trustees and to the Alumnae Association. The committee consists of the following members: President M. Carey Thomas; Miss Martha G. Thomas, Secretary and Treasurer, Bryn Mawr College; Miss Mary Taylor Mason, School House Lane, Germantown, Philadelphia; Mrs. Bernard Todd Converse, Ardmore, Pa., Miss Anne Hampton Todd, 2115 Spruce Street, Philadelphia, and Miss Kathrine Leonard Howell, 3307 Hamilton Street, Philadelphia. Contributions may be sent to any member of the committee. Applications for loans should be sent to the Treasurer of the committee, and all applications for loans for any given year should be made before May 1st of the preceding academic year.

* See footnote page 54.

Libraries.

The fact that the college is situated in the suburbs of Philadelphia enables the student to make use of all the resources of the libraries of Philadelphia, as well as those of the college proper.

The college library has been collected within the past twenty-five years, and is designed to be, as far as possible, a library for special study. There are at present on its shelves about sixty-two thousand bound volumes, and ten thousand dissertations and pamphlets, the collection including the classical library of the late Professor Sauppe, of Göttingen, which was presented to the college in 1894, and the Semitic library of the late Professor Amiaud, of Paris, acquired in 1892. A more detailed description of these two collections may be found on pages 67 and 92.

The sum of about five thousand dollars is expended yearly for books under the direction of the heads of the several collegiate departments, and, in addition to many gifts of books, about twenty thousand dollars has been presented to the library during the past ten years for expenditure in special departments. Over four hundred publications and reviews in the English, German, Greek, French, Italian, Spanish, Norse, and Swedish languages, are taken by the library, as follows:

General and Miscellaneous Periodicals.

Academy.	La Cultura.
American Magazine.	Cumulative Book Index.
Annales Politiques et Littéraires.	Deutsche Rundschau.
Athenæum.	Dial.
Atlantic Monthly.	Everybody's Magazine.
*Bibliothèque de la Faculté des Lettres de l'Université de Paris.	Fortnightly Review.
Bookman.	Forum.
Bookman (English).	Göttingische Gelehrte Anzeigen.
*Book News Monthly.	Harper's Monthly Magazine.
Bookseller.	Harper's Weekly.
*Bryn Mawr Alumnae Quarterly.	Harvard Graduate Magazine.
Bulletin of Bibliography.	Internationale Wochenschrift für Wissenschaft, Kunst u. Technik.
*Bulletin of the New York Public Library.	Jahresverzeichniss der an den deutschen Schulanstalten erschienenen Abhandlungen.
Century.	*Johns Hopkins University, Circulars.
Collier's Weekly.	Library Journal.
*Columbia University Quarterly.	McClure's Magazine.
Contemporary Review.	Mercure de France.
Country Life in America.	

*Presented by the Publishers.

Mind and Body.

- *Monthly Bulletin of the Carnegie Library of Pittsburgh.
- Münchener allgemeine Zeitung.
- Nachrichten von der Königl. Gesellschaft der Wissenschaften, Göttingen.
- Nation.
- Nationale Deutschland.
- Neue Rundschau.
- Nineteenth Century.
- North American Review.
- Notes and Queries.
- Nuova Antologia.
- Outlook.
- *Pennsylvania Library Notes.
- Preussische Jahrbücher.
- Publishers' Weekly.
- Punch.
- Quarterly Review.

Reader's Guide to Periodical Literature.

- Review of Reviews.
- Revue Critique d'Histoire et de Littérature.
- Revue de Paris.
- Revue des Deux Mondes.
- *Revue Politique et Littéraire: Revue Bleue.
- Saturday Review.
- Scribner's Magazine.
- Spectator.
- Der Türmer.
- *Tipyn o' Bob.
- *University of Colorado, Studies.
- *University of Nebraska, Studies.
- *University of Washington, Studies.
- Westminster Review.
- Die Woche.
- World's Work.

Newspapers.

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| <ul style="list-style-type: none"> *Bryn Mawr Record. New York Evening Post. New York Times. | <ul style="list-style-type: none"> New York Tribune. Philadelphia Public Ledger. |
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Art and Archaeology.

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| <ul style="list-style-type: none"> American Journal of Archaeology. Bulletin de Correspondance hellénique. *Bulletin of the Metropolitan Museum of Art, New York. Burlington Magazine. Ephemeris Archaeologica. Gazette des Beaux Arts. Jahrbuch des Kaiserlich deutschen archäologischen Instituts. Jahresbericht über die Fortschritte der classischen Alterthumswissenschaft. | <ul style="list-style-type: none"> Jahreshefte des österreichischen archäologischen Instituts in Wien Journal of Hellenic Studies. Mittheilungen des Kaiserlich deutschen archäologischen Instituts, Athenische Abteilung. Mittheilungen des Kaiserlich deutschen archäologischen Instituts, Römische Abteilung. *Museum of Fine Arts Bulletin, Boston. Revue Archéologique. Zeitschrift des Deutschen Palästina Vereins. |
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Economics and Politics.

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| <ul style="list-style-type: none"> *Advocate of Peace. Allgemeines statistisches Archiv. American Federationist. American Journal of Sociology. American Political Science Review. Annals of the American Academy of Political and Social Science. Bibliographia Economica Universalis. Bibliography of Social Science. *Bulletin of the New York State Department of Labor. | <ul style="list-style-type: none"> *Bulletin of the University of Wisconsin, Economics and Political Science Series. *City Club Bulletin. Columbia Law Review. *Daily Consular Trade Reports. Economic Journal. Economic Review. Equity Series. Harvard Law Review. International Socialist Review. |
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Jahrbücher für Nationalökonomie u. Statistik.
 Johns Hopkins University Studies in Historical and Political Science.
 Journal of Political Economy.
 Journal of the Royal Statistical Society.
 Political Science Quarterly.
 Publications of the American Economic Association.
 Publications of the American Statistical Association.
 Quarterly Journal of Economics.
 Revue Bibliographique.

*Southern Workman.
 Survey.
 *University of Missouri Studies, Social Science Series.
 *University of Pennsylvania Publications, Series in Political Economy and Public Law.
 Vierteljahrsschrift für Philosophie u. Soziologie.
 *Visiting Nurse Quarterly.
 Yale Review.
 Zeitschrift für Socialwissenschaft.
 Zeitschrift für Volkswirtschaft, Socialpolitik u. Verwaltung.

Education.

Education.
 Educational Review.
 Educational Times.
 Elementary School Teacher.
 Journal of Educational Psychology.
 Journal of Pedagogy.
 *Journal of the Association of Collegiate Alumni.

Lehrproben und Lehrgänge.
 Pedagogical Seminary.
 Revue Internationale de l'Enseignement Supérieur.
 Revue Universitaire.
 School Review.
 *University of California Publications, Education.

History.

American Historical Review.
 *Bulletin of the University of Wisconsin, History Series.
 English Historical Review.
 Historische Vierteljahrsschrift.
 Historische Zeitschrift.
 *Illinois State Historical Society Journal.

Klio, Beiträge zur alten Geschichte.
 Pennsylvania Magazine of History.
 Revue des Questions Historiques.
 Revue Historique.
 *University of Pennsylvania Publications, Series in History.
 *University of Toronto Studies, History and Economics.

Philology and Literature, Classical.

Bulletin Bibliographique et Pédagogique du Musée Belge.
 Classical Journal.
 Classical Philology.
 Classical Quarterly.
 Classical Review.
 Classical Weekly.
 Harvard Studies in Classical Philology.
 Hermes.
 Mnemosyne.
 Le Musée Belge, Revue de Philologie Classique.
 Philologische Untersuchungen.

Quellen und Forschungen zur lateinischen Philologie.
 Revue de Philologie.
 Revue des Etudes Grecques.
 Rheinisches Museum für Philologie.
 Rivista di Filologia.
 Studi Italiani di Filologia Classica.
 Studi Storici per l'Antichità Classica.
 Wiener Studien, Zeitschrift für klassische Philologie.
 Wochenschrift für klassische Philologie.

Philology and Literature, General and Comparative.

American Journal of Philology.
 Berliner philologische Wochenschrift.
 Eranos.

Indogermanische Forschungen.
 Journal of Philology.
 Memoires de la Société Neo-philologique à Helsingfors.

Neue Jahrbücher für das klassische Altertum, Geschichte und deutsche Literatur.
 Transactions of the American Philological Association.
 *University of Pennsylvania Publications, Series in Philosophy and Literature.

Zeitschrift für das Gymnasialwesen.
 Zeitschrift für die österreichischen Gymnasien.
 Zeitschrift für vergleichende Literaturgeschichte.
 Zeitschrift für vergleichende Sprachforschung.

Philology and Literature, Modern.

Anglia.
 Anglistische Forschungen.
 Annales de la Société Jean-Jacques Rousseau.
 Annales Romantiques.
 Archiv für das Studium der neueren Sprachen.
 Archivio Glottologico Italiano.
 Arkiv for Nordisk Filologi.
 Beiblatt zur Anglia: Mitteilungen über englische Sprache und Literatur.
 Beiträge zur Geschichte der deutschen Sprache und Literatur.
 Bonner Studien zur englischen Philologie.
 British Society of Franciscan Studies.
 Bulletin de la Société des Anciens Textes Français.
 Bulletin hispanique.
 Chaucer Society, Publications (Both series).
 Deutsche Literaturzeitung.
 Dialect notes.
 Early English Text Society Publications (Both series).
 Englische Studien.
 Euphorion.
 German American Annals.
 Germanisch-romanische Monatsschrift.
 Giornale Dantesco.
 Giornale Storico della Letteratura Italiana.
 Goethe Jahrbuch.
 Jahrbuch der deutschen Shakespeare Gesellschaft.
 Jahrbuch des Vereins für niederdeutsche Sprachforschung.
 Jahresbericht über die Erscheinungen auf dem Gebiete der germanischen Philologie.
 Journal of German Philology.
 Kieler Studien zur englischen Philologie.
 Korrespondenzblatt des Vereins für niederdeutsche Sprachforschung.

Kritischer Jahresbericht über die Fortschritte der romanischen Philologie.
 Literarische Echo.
 Literarisches Centralblatt.
 Literaturblatt für germanische und romanische Philologie.
 Le maître Phonétique.
 Modern Language Notes.
 Modern Language Review.
 Modern Philology.
 Münchener Beiträge zur romanischen und englischen Philologie.
 Palaestra.
 Poet-lore.
 Praeger deutsche Studien.
 Publications of the Modern Language Association.
 Quellen und Forschungen zur Sprach- und Culturgeschichte der germanischen Völker.
 Rassegna Bibliografica.
 Revue d'Histoire Littéraire de la France.
 Revue des Etudes Rabelaisiennes.
 Revue Germanique.
 Revue Hispanique.
 Romania.
 Romanische Forschungen.
 Schriften der Goethe Gesellschaft.
 Scottish Text Society, Publications.
 Société des Anciens Textes français, Publications.
 Société des Textes Français Modernes, Publications.
 Studi Medievali.
 Wiener Beiträge zur englischen Philologie.
 Zeitschrift für den deutschen Unterricht.
 Zeitschrift für deutsche Philologie.
 Zeitschrift für deutsches Altertum und deutsche Literatur.
 Zeitschrift für französische Sprache und Literatur.
 Zeitschrift für romanische Philologie.

Philology and Literature, Semitic.

American Journal of Semitic Languages and Literatures.
 Jewish Quarterly Review.
 Proceedings of the Society of Biblical Archæology.
 Recueil d'archéologie orientale.

Recueil de Travaux relatifs à la Philologie et à l'Archéologie égyptiennes et assyriennes.
 Zeitschrift für ägyptische Sprache und Altertumskunde.
 Zeitschrift für Assyriologie.

Philosophy and Psychology.

American Journal of Psychology.
 Année Psychologique.
 Archiv für die gesamte Psychologie.
 Archiv für Geschichte der Philosophie.
 Archiv für systematische Philosophie.
 Archives de Psychologie.
 British Journal of Psychology.
 Bulletin de l'Institut Psychologique.
 International Journal of Ethics.
 Journal de Psychologie.
 Journal für Psychologie und Neurologie.
 Journal of Philosophy, Psychology and Scientific Methods.
 Mind.
 Monist.
 Philosophical Magazine.
 Philosophical Review.
 Psychological Bulletin.

Psychological Review.
 Psychological Review; Monograph Supplements.
 Psychological Review; Psychological Index.
 Psychologische Arbeiten.
 Psychologische Studien.
 Revue de l'Hypnotisme.
 Revue de Metaphysique.
 Revue Philosophique.
 *University of California Publications, Philosophy.
 *University of Toronto Studies, Psychology Series.
 Vierteljahrsschrift für wissenschaftliche Philosophie.
 Zeitschrift für Psychologie und Physiologie der Sinnesorgane: 1 abt., Zeitschrift für Psychologie. 2 abt., Zeitschrift für Sinnesphysiologie.

Religion.

American Friend.
 American Journal of Religious Psychology and Education.
 American Journal of Theology.
 †Association Monthly.
 †Australasian Intercollegian.
 *Baptist Missionary Magazine.
 †Bible Student and Teacher.
 Biblical World.
 Bibliotheca Sacra.
 *Deaconess Advocate.
 †Deutsche christliche Studenten-Bewegung-Mitteilungen.
 †Evangel.
 Expositor.
 Expositor Times.
 *Friends' Missionary Advocate.
 *Hartford Seminary Record.
 Harvard Theological Review.

†Herald of Gospel Liberty.
 †Intercollegian.
 Journal of Biblical Literature.
 Journal of Theological Studies.
 †Medical Missionary.
 †Missionary Review.
 Proceedings of the Society of Biblical Archæology.
 *Publications of the American Jewish Historical Society.
 †Record of Christian Work.
 Religious Education.
 Revue Biblique.
 *Spirit of Missions.
 †Student Movement.
 *Washington Chapel Chronicle.
 *Woman's Missionary Friend.
 †Young Women of Canada.

* Presented by the Publishers.

† In Christian Association Library.

Science, Biology.

- American Journal of Anatomy.
 American Journal of Physiology.
 American Naturalist.
 Anatomischer Anzeiger.
 Archiv für Anatomie und Physiologie.
 Archiv für die gesammte Physiologie.
 Archiv für Entwicklungsmechanik der Organismen.
 Archiv für mikroskopische Anatomie.
 Archiv für Protistenkunde.
 Bibliographia Physiologica.
 Biologisches Centralblatt.
 Biometrika.
 Botanische Zeitung. 1. Abtheilung.
 Botanische Zeitung. 2. Abtheilung.
 Botanisches Centralblatt.
 *Brown University, Contributions from the Biological Laboratory.
 Centralblatt für Physiologie.
 *Illinois State Laboratory of Natural History Bulletin.
 Jahrbücher für wissenschaftliche Botanik.
- Journal de Physiologie.
 Journal of Experimental Zoology.
 Journal of Physiology.
 Journal of the Royal Microscopical Society.
 Mittheilungen aus der Zoologischen Station zu Neapel.
 Quarterly Journal of Microscopical Science.
 *University of California Publications, Physiology.
 *University of California Publications, Zoology.
 *University of Pennsylvania, Contributions from the Botanical Laboratories.
 *University of Pennsylvania, Contributions from the Zoological Laboratories.
 *University of Toronto Studies, Biological Series.
 University of Toronto Studies, Physiological Series.
 Zeitschrift für wissenschaftliche Zoologie.
 Zoologischer Anzeiger.

Science, General.

- American Journal of Science.
 Atti della Reale Accademia della Scienze di Torino.
 Bulletin de l'Académie Imperiale des Sciences de St. Pétersbourg.
 *Bulletin of the University of Wisconsin, Engineering Series.
 *Bulletin of the University of Wisconsin, Science Series.
 Comtes Rendus des Séances de l'Académie des Sciences.
 Elisha Mitchell Scientific Society Journal.
 *Kansas University, Science Bulletin.
 Nature.
 *New York State Museum Bulletin.
- *Oklahoma University Research Bulletin.
 Philosophical Transactions of the Royal Society of London.
 Popular Science Monthly.
 Proceedings of the American Philosophical Society.
 Proceedings of the Royal Society of London.
 Science.
 *Technology Review.
 *University of Missouri Studies, Science Series.
 Verhandlungen der physikalisch-medicinischen Gesellschaft zu Würzburg.

Science, Geology, and Geography.

- Centralblatt für Mineralogie.
 Economic Geology.
 Geographical Journal.
 Geological Magazine.
 Geologisches Centralblatt.
 *Georgia Geological Survey Bulletin.
 *Illinois Geological Survey Bulletin.
- Journal of Geography.
 Journal of Geology.
 Meteorologische Zeitschrift.
 Mineralogical Magazine.
 Mineralogische und petrographische Mittheilungen.

National Geographic Magazine.
 Neues Jahrbuch für Mineralogie,
 Geologie und Paläontologie.
 Philadelphia Geographical Society
 Bulletin.

Quarterly Journal of the Geological
 Society.

*U. S. Monthly Weather Review.

*University of Toronto Studies, Geo-
 logical Series.

Mathematics, Chemistry, and Physics.

Acta Mathematica.
 American Chemical Journal.
 American Journal of Mathematics.
 Annalen der Chemie.
 Annalen der Physik.
 Annales de Chimie et de Physique.
 Annales de la Faculté des Sciences
 de l'Université de Toulouse.
 Annales Scientifiques de l'Ecole
 Normale Supérieure.
 Annali di Matematica.
 Astrophysical Journal.
 Beiblätter zu den Annalen der
 Physik.
 Berichte der deutschen chemischen
 Gesellschaft.
 Bibliotheca Mathematica.
 Bollettino di Bibliografia e Storia
 delle Scienze Matematiche.
 Bulletin de la Société Mathématique.
 Bulletin des Sciences Mathématiques.
 Bulletin of the American Mathe-
 matical Society.
 Giornale di Matematiche.
 Jahrbuch über die Fortschritte der
 Mathematik.
 Jahresbericht der deutschen mathe-
 matiker Vereinigung.
 Jahresbericht über die Fortschritte
 der Chemie.
 Journal de Mathématiques.
 Journal de Physique.

Journal für die reine und ange-
 wandte Mathematik.
 Journal für praktische Chemie.
 Journal of the Chemical Society.
 Mathematische Annalen.
 Messenger of Mathematics.
 Monatshefte für Chemie.
 Physical Review.
 Physikalische Zeitschrift.
 Proceedings of the London Mathe-
 matical Society.
 Quarterly Journal of Mathematics.
 Rendiconti del Circolo Matematico
 di Palermo.
 Science Abstracts.
 Transactions of the American
 Mathematical Society.
 *U. S. Bureau of Standards Bulletin.
 *University of Pennsylvania Publica-
 tions, Astronomical Series.
 *University of Toronto Studies, Pa-
 pers from the Chemical Labora-
 tories.
 *University of Toronto Studies, Pa-
 pers from the Physical Labora-
 tories.
 Zeitschrift für anorganische Chemie.
 Zeitschrift für Elektrochemie.
 Zeitschrift für Mathematik und
 Physik.
 Zeitschrift für physikalische Chemie.

The library is open daily from eight A. M. to ten P. M. Books may be taken out by the students unless specially reserved for library reference use.

There are in Philadelphia the following important libraries which are available for students:

The *Philadelphia Library Company*, which contains about 232,000 volumes and 30,000 pamphlets, and is at all times open to the students for consultation. Private subscription, for four volumes, \$12 a year, or \$10 for nine months.

The *Mercantile Library*, which contains about 190,000 volumes and 10,000 pamphlets. Private subscription, \$5.00 a year for two separate works at a time.

The *Library of the Academy of Natural Sciences*, which contains about 68,000 volumes. The Council of the Academy has generously conceded the use of its library and of its museum to the students of Bryn Mawr College.

The *Library of the University of Pennsylvania*, which contains about 314,000 volumes and 50,000 pamphlets. The custodians of this library have always shown great courtesy in placing rare volumes at the disposal of the college.

The *Free Library of Philadelphia*, which contains about 367,000 volumes and 89,000 pamphlets, and is at all times open to the students for consultation.

The *American Philosophical Society Library*, which contains about 53,000 volumes, admission by card.

The *Historical Society of Pennsylvania Library*, which contains over 80,000 volumes, and 200,000 pamphlets, is for reference only. Every courtesy is extended members of the college.

Sanskrit and Comparative Philology.

The instruction in this department is under the direction of an instructor whose appointment will be announced later.

GRADUATE COURSES.

The following graduate courses are offered in each year:

Lectures on Comparative Philology, and Philological Seminary.

Two hours a week throughout the year.

Students entering this course are expected to be familiar with German and French. A short preliminary course in Sanskrit is also of great aid to the student. The lectures on comparative philology treat of the connection of the Greek and Latin languages with the related languages of the Aryan group, first, phonetically, secondly, from the point of view of grammatical forms, and lastly, from the point of view of syntax. In the first part of the course, which covers what during the last few years has been the field of the most active research, the student is introduced to the latest theories and discoveries in Aryan phonetics, and is expected to read and criticise the articles appearing from time to time in the philological journals, and to prepare reports on these articles. The same method is pursued during the investigation of the history of forms; and in the third part of the course the student begins the study of comparative syntax by a close comparison of the use of cases and verbal forms in Sanskrit, Greek, and Latin.

Elementary Sanskrit.*Two hours a week throughout the year.*Whitney's *Grammar* and Lanman's *Reader* are used.

The courses in Comparative Philology and in Elementary Sanskrit will not, as a rule, be given in the same year.

Advanced Sanskrit.*One hour a week throughout the year.*Lectures are given on the phonology and morphology of Sanskrit. The study of Lanman's *Reader* is continued and Kālidāsa's *Śakuntala*, Act I. is read.**Greek.**

The instruction in this department is under the direction of Dr. Henry Nevill Sanders, Professor of Greek; Dr. Wilmer Cave Wright, Associate Professor of Greek; Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages, and Miss Abby Kirk, Reader in Elementary Greek.

Exceptional facilities for the study of all departments of classical philology are offered by the large classical library owned by the College. The greater part of this library is formed by the well-known collection of the late Professor Hermann Sauppe, of Göttingen, which was acquired in 1894. This has been supplemented by purchases made by the college library, so that the classical library now numbers some seven thousand volumes, including complete sets of most of the important journals, and about seven thousand dissertations and monographs.

GRADUATE COURSES.

The graduate courses in Greek are varied from year to year in two series, Attic Tragedy, Orators, and Historians, and the Homeric Question, Menander, Plato, and Aristophanes, in order that they may be pursued by a student for consecutive years. Students electing Greek as part of the work for the degree of Doctor of Philosophy are required to offer with each three hour seminary a two hour seminary and *vice versa*, so as to make up five hours of seminary work, but both seminaries need not be taken in the same year. Three five hour courses are required of students who offer Greek as a major subject in the examination for the degree of Doctor of Philosophy; two five hour courses are required when Greek is the only minor subject offered, and one five hour course when two minors are offered. The post-major courses also are open to graduate students. A large part of the work expected of graduate students consists of courses of reading pursued under the direction of the department; and reports of this reading are from time to time required of the students. A reading knowledge of French and German is required. The course in Comparative Philology is recommended to graduate students of Greek. For graduate courses in History of Art and Classical Archæology, which may be offered

as a minor by students taking Greek as a subject for the degree of Doctor of Philosophy, see page 105.

No undergraduates are admitted to graduate courses.

Dr. Sanders conducts in each year the following graduate seminary:

Greek Seminary.

Three hours a week throughout the year.

In 1910-11 the main subject of the seminary is the Greek Historians. Thucydides is studied in detail and reports are made on data of history contained in Greek literature in general. Lectures are given by the instructor on subjects connected with Greek historiography, such as the composition of Thucydides's history, the syntax and style of Thucydides, the history of early prose, Greek historical inscriptions.

In 1911-12 the subject of the seminary is Attic Tragedy. The work of the seminary in textual criticism is devoted to the editing of Euripides's *Orestes*, while the special work will be devoted to the plays bearing on the Orestes myth. Members of the seminary report on assigned subjects and give critical summaries of current classical literature.

In 1912-13 Greek orators will be studied in the seminary. The work consists of the reading of large portions of all the orators and the critical interpretation of a selected part of each. Lectures are given on legal antiquities, the syntax, and the style of the various authors, in conjunction with which Dionysius of Halicarnassus and the Greek Rhetoricians are studied. The later rhetoricians are treated and their criticism of antiquity investigated. Students are expected to provide themselves with the Teubner text editions of Antiphon, Andocides, Lysias, Isocrates, Isæus, Æschines, Hyperides, and Demosthenes. The classical library is well equipped with works on the orators.

Dr. Wright conducts in each year the following graduate seminary:

Greek Seminary.

Two hours a week throughout the year.

In 1910-11 the subject of the seminary is Aristophanes. The aim of the seminary is to make the students familiar with the more important Aristophanic literature up to the present day. Portions of the text are interpreted by the class and reports on assigned topics, literary, historical, and archæological, connected with the plays are expected from all the members. All the comedies of Aristophanes are read in the course of the year; lectures are given by the instructor on the metres and syntax of Aristophanes, on the dramatic structure of the plays and on the history of Attic comedy. Part of the work consists of analyses of Latin and German dissertations on Aristophanes which are presented by members of the class. Every member of the class should provide herself in advance with a complete text of Aristophanes. The Teubner (Leipsic) or Clarendon Press (Oxford) editions are recommended.

In 1911-12 the seminary will be on Plato. The work is mainly literary and critical. Lectures on the style, philosophy, and chronology of the dialogues are given by the instructor; a detailed interpretation of a portion of Plato, and reports on topics set for discussion are given by the class. The students are expected to read the *Republic*, *Theætetus*, *Parmenides*, and *Sophist* and discuss certain problems arising from these dialogues. The aim of the course is to lay a foundation for independent work by familiarising the students with the achievements of German scholarship and the general field of Platonic literature up to the present day. Analyses of German and Latin dissertations are expected from the class. Lutoslawski's *Origin and Growth of Plato's Logic* will be studied and criticised in detail. Every member of the seminary should provide herself in advance with a complete text of Plato. The Teubner (Leipsic) or Clarendon Press (Oxford) editions are recommended.

In 1912-13 the subject of the seminary in the first semester is Menander. A thor-

ough study of all the extant fragments of Menander is made with reports by the students on Menander's style, metres, text, and influence on Latin Comedy. The recent discovery of considerable remains of Menander's Comedies and the publication of the Cairo Menander (1907) have provided sufficient material to make such a course profitable to students of the Greek drama.

In the second semester the subject of the seminary is the Homeric Question, and the work consists of a review of the discussions of the Homeric poems since the publication of Wolf's *Prolegomena*. The various tests that have been applied to the poems by archæologists, linguists, historians of myths, and æsthetic critics are taken up and criticised in detail.

POST-MAJOR COURSES.

Dr. Sanders offers in 1910-11 the following post-major courses, open to graduate students:

Minor Orations of the Attic Orators.	<i>Two hours a week during the first semester.</i>
Sophocles, <i>Antigone</i> .	<i>One hour a week during the first semester.</i>
Æschylus, <i>Agamemnon</i> .	<i>One hour a week during the second semester.</i>
Thucydides.	<i>One hour a week during the second semester.</i>
Euripides, <i>Bacchæ</i> .	<i>One hour a week during the second semester.</i>

Dr. Sanders offers in 1911-12 the following post-major courses, open to graduate students:

Plato, <i>Phædrus</i> and <i>Protagoras</i> .	<i>Two hours a week during the first semester.</i>
Sophocles, <i>Trachiniæ</i> .	<i>One hour a week during the first semester.</i>
Greek Prose Composition, Rhetoric, and the Theory of Imitative Writing.	<i>One hour a week during the second semester.</i>
Greek Melic Poets, or Euripides, <i>Orestes</i> .	<i>One hour a week during the second semester.</i>
Euripides, <i>Heracles</i> .	<i>One hour a week during the second semester.</i>

Dr. Sanders offers in 1912-13 the following post-major courses, open to graduate students:

Æschylus, <i>Oresteia</i> .	<i>Two hours a week during the first semester.</i>
Aristophanes, <i>Acharnians</i> , <i>Knights</i> .	<i>One hour a week during the first semester.</i>
Pindar and Bacchylides.	<i>Two hours a week during the second semester.</i>
Sophocles, <i>Electra</i> or Euripides, <i>Electra</i> .	<i>One hour a week during the second semester.</i>

Dr. Wright offers in 1910-11 and again in 1912-13 the following post-major courses, open to graduate students:

Menander and Bucolic Poets.	<i>Two hours a week during the first semester.</i>
Herondas and Sophocles, <i>Ajax</i> .	<i>Two hours a week during the second semester.</i>

Dr. Wright offers in 1911-12 the following post-major courses, open to graduate students:

Theocritus.

Two hours a week during the first semester.

Lucian.

Two hours a week during the second semester.

FREE ELECTIVE COURSES.

Free elective courses, amounting to five hours a week, are offered in Classical Art and Archaeology; see pages 105 to 107.

A free elective course of two hours a week is offered in New Testament Greek; see page 95.

Latin.

The instruction in this department is under the direction of Dr. Arthur Leslie Wheeler, Professor of Latin, Dr. Tenney Frank,* Associate Professor of Latin, Dr. F. Warren Wright, Lecturer in Latin, and Miss Frances D'Arcy Thompson, Reader in Latin.

GRADUATE COURSES.

The graduate work in Latin is conducted according to the seminary method, and is intended not only to broaden the student's knowledge, but also to teach methods of work. The graduate courses in Latin are varied from year to year in two series, Roman Comedy, Lyric Poetry and Elegy, and Roman History, Epigraphy and Literature, or Syntax. Students electing Latin as part of the work for the degree of Doctor of Philosophy are required to offer with each three hour seminary a two hour seminary and *vice versa*, so as to make up five hours of seminary work, but both seminaries need not be taken in the same year. Such students are recommended to attend the Journal Club. Three five hour courses are required of students who offer Latin as a minor subject in the examination for the degree of Doctor of Philosophy; two five hour courses are required when Latin is the only minor subject offered and one five hour course when two minors are offered. It is desirable that all students who intend to do advanced work in Latin should have some knowledge of Greek. A reading knowledge of French and German is also necessary.

No undergraduates are admitted to graduate courses.

Dr. Wheeler conducts in each year the following graduate seminary:

Latin Seminary.

Three hours a week throughout the year.

In 1910-11 the subject of the seminary is the Roman Lyric in the Period of the Republic. After a rapid survey of the fragmentary lyric remains of the predecessors and contemporaries of Catullus, the poems of Catullus himself are studied in

*Granted leave of absence for the year 1910-11. The courses offered by Dr. Frank are given by Dr. F. W. Wright during this year.

detail. Students should have *Catulli carmina* (Oxford text, 1904), edited by Robinson Ellis, and either the same scholar's *Commentary on Catullus*, Oxford, Clarendon Press, 1889 (second edition), or G. Friedrich's *Catulli Veronensis liber*, Leipsic and Berlin, 1908 (Teubner).

In 1911-12 Roman Elegy as represented by Tibullus, Propertius, and Ovid is the subject of the seminary. In addition to a careful study of selected poems an effort is made to trace the history of elegy among the Romans. The various topics connected with the subject are treated in detail as far as time permits, and the students are encouraged to familiarise themselves with the best literature in editions, periodicals, and dissertations. The text recommended is the Oxford Clarendon Press edition of Catullus, Tibullus, and Propertius edited by Ellis, Postgate, and Phillimore, 1906 (one volume).

In 1912-13 the subject of the seminary will be Latin Comedy. All the plays of Plautus and Terence are read by the students: single plays form the basis of special work on the language, text, metres, etc.

Students should provide themselves with the text edition of Plautus, edited by W. M. Lindsay, Oxford, 1903-04, and with Dziatzko's text of Terence, Leipsic, Tauchnitz, 1884. The plays of Plautus, annotated by Brix, Leipsic, Teubner, 1888-1901, and by Lorenz, Berlin, Weidmann, 1876-86, and the plays of Terence, annotated by Dziatzko (revised by Hauler), 1898 and 1903 (Teubner), and by Spengel, 1879 and 1905, Weidmann, are also recommended. *P. Terenti Afri Commoediae*, edited by S. G. Ashmore, Oxford University Press, New York, 1908, is a convenient commentary.

Dr. Frank* conducts in each year the following graduate seminary:

Latin Seminary.

Two hours a week throughout the year.

In 1910-11 the work of the seminary is Latin Epigraphy and Palæography. About two-thirds of the course is devoted to the study of the *Corpus Inscriptionum*. The questions assigned for investigation deal mainly with Roman political institutions, public and private life, and with historical grammar. Dessau's *Inscriptiones Latinae Selectae* is used in the class room. The paleographical facsimiles of Chatelain, Zange-meister and Wattenbach, and Arndt form the basis for work in the latter part of the course. The seminary is conducted in 1910-11 by Dr. Wright.

In 1911-12 selected topics in Roman Literature will be studied. The work consists of studies in the beginnings of the Roman epic, tragedy, and prose, special attention being paid to the relation of the literature to historical events and native influences. The students will read reports on special subjects assigned to them. A study of Latin Syntax may be substituted.

In 1912-13 Roman History from the sources is the subject of the seminary. The object of this study is to examine in detail the course of events during the last years of the Roman Republic, and to familiarise the student with the sources of historical knowledge for that period. The course consists largely of research work on the part of the student.

Dr. Wheeler and Dr. Frank* together conduct the journal club.

Latin Journal Club. *One and a half hours once a fortnight throughout the year.*

The advanced students and the instructors meet to report on and discuss recent reviews and critical articles.

POST-MAJOR COURSES.

Dr. Wheeler offers in 1910-11 and again in 1912-13 the following post-major course, open to graduate students:

Roman Elegy, its Origin and Development.

Two hours a week throughout the year.

*See footnote p. 70.

An effort is made to trace historically the development of this branch of poetry among the Romans. Selections from Catullus, Tibullus, Propertius, and Ovid are read. The readings are supplemented by occasional lectures. Special attention is devoted to the structure and reading of the elegiac distich and to the characteristics of Roman poetic diction. Each student is required to prepare one or more papers on assigned topics in each semester.

Dr. Wheeler offers in 1911-12 and again in 1913-14 the following post-major course, open to graduate students:

Roman Satire, its Origin and Development.

Two hours a week throughout the year.

The subject is treated historically in order to give an outline of the origin and development of Satire. The class reads selections from Horace, Persius, Seneca, Petronius, and Juvenal, together with some of the fragments of Ennius, Lucilius, and Varro. The readings are supplemented by occasional lectures. Each student is required to prepare one or more papers on assigned topics in each semester.

Dr. Frank* offers in 1910-11 and again in 1912-13 the following post-major courses, open to graduate students:

The Life and Works of Vergil. *Three hours a week during the first semester.*

The larger part of the *Aeneid*, two books of the *Georgics* and some of the *Eclogues* and *Pseudo-Vergiliana* are read and discussed.

Pliny, *Letters*; Martial. *Two hours a week during the first semester.*

Special attention is paid to a study of the political and social conditions of the period included in the course.

Advanced Latin Prose Composition. *One hour a week throughout the year.*

Roman Prose of the Empire. *Three hours a week during the second semester.*

Selections from Velleius, Seneca, Quintilian, Tacitus, Suetonius, Apuleius, and Minucius Felix are read.

Seneca and Lucan. *Two hours a week during the second semester.*

Three tragedies of Seneca and portions of Lucan's *Pharsalia* are read.

Dr. Frank offers in 1911-12 and again in 1913-14 the following post-major courses, open to graduate students:

Lucretius. *Two hours a week during the first semester.*

The first three books of the *De Rerum Natura* and selections from the fourth, fifth, and sixth books are studied.

Lectures on Roman History. *Three hours a week during the first semester.*

Collateral reading is assigned from the Latin sources and independent reports on special topics required.

Advanced Latin Prose Composition. *One hour a week throughout the year.*

Cicero and Cæsar. *Three hours a week during the second semester.*

An effort is made by means of lectures, discussions and extensive reading to gain an intimate acquaintance with the literary work and the political careers of Cicero and Cæsar.

* See footnote p. 70.

Catullus, and Horace, *Epistles*. *Two hours a week during the second semester.*

In connection with the reading of Horace's *Ars Poetica* special stress is laid upon his theories of literary criticism.

MODERN LANGUAGES.

Professors and instructors: Dr. M. Carey Thomas, Dr. Fonger DeHaan, Dr. Albert Schinz, Miss Lucy Martin Donnelly, Dr. Karl Detlev Jessen, Dr. Carleton Fairchild Brown,* Dr. Richard Thayer Holbrook, Dr. Orie Latham Hatcher, Dr. Alfred Horatio Upham, Dr. Agathe Lasch, Mr. Samuel Arthur King, Mr. Frederick A. Blossom, Mr. Samuel Moore (elect), Dr. Regina Katharine Crandall, Miss Georgiana Goddard King, Dr. Lillie Deming Loshe, Miss Emma Haeberli, Miss Martha Plaisted, Miss Mary Jeffers, Miss Margaret Grace Skinner, Miss Edna Aston Shearer, and Dr. Ellwood Austin Welden.

English.

The instruction in this department is under the direction of Dr. M. Carey Thomas, Professor of English, Miss Lucy Martin Donnelly, Associate Professor of English, Dr. Carleton Fairchild Brown,* Professor of English Philology, Dr. Orie Latham Hatcher, Associate in Comparative Literature and Elizabethan Literature, Dr. Alfred Horatio Upham, Associate Professor of English Literature, Mr. Samuel Arthur King, Non-resident Lecturer in English Diction, Mr. Samuel Moore, Lecturer (elect) in English Philology, Dr. Regina Katharine Crandall, Miss Georgiana Goddard King, Dr. Lillie Deming Loshe, Miss Martha Plaisted, Miss Margaret Grace Skinner and Miss Edna Aston Shearer, Readers in English.

GRADUATE COURSES.

There are offered each year distinct graduate seminars and courses in English literature and in English language, and these seminars and courses are varied so as to enable candidates for the degree of Doctor of Philosophy to pursue graduate work for three or more successive years. The graduate courses in literature presuppose at least as much knowledge as is obtained in the two years' course of undergraduate lectures on English literature and in one of the literature years of the English

* Granted leave of absence for the year 1911-12. During Dr. Brown's absence the courses offered by him will be given by Mr. Moore.

major; and the graduate courses in Anglo-Saxon presuppose as much knowledge of Anglo-Saxon as is obtained in the language year in the English major.

Students who choose English as their chief subject in their examination for the degree of Doctor of Philosophy must have, if they specialise in literature, at least as much knowledge of Anglo-Saxon, and if they specialise in language, at least as much knowledge of literature, as is obtained in the course required of those students who make English one of the chief subjects of undergraduate study, and must have taken at least the equivalent of the essay work in the required English course.

The graduate instruction in English literature includes the direction of private reading and the assignment of topics for investigation.

No undergraduates are admitted to graduate courses.

Dr. Brown* conducts in each year the following graduate seminary:

Seminary in Middle English.

Three hours a week throughout the year.

In 1910-11 the subject is the Middle English Romances. All the romances represented in Middle English are read, and the relation of these English versions to their Latin and Old French originals are discussed. The romance cycles are taken up in the following order: Troy story, Alexander saga, romances of Germanic origin, Arthurian cycle, Charlemagne cycle. Special investigations of various elements in individual romances are undertaken from time to time by the members of the seminary.

In 1911-12 the seminary will undertake the study of *The Vision of Piers the Plowman* and the works of Chaucer. Attention will be devoted not so much to the critical reading of the texts themselves as to the examination of the questions of authorship and chronology which have recently been raised. These poems will also be discussed in their relation to the other literature of the fourteenth century. Special subjects for individual investigation will be assigned to the members of the seminary.

In 1912-13 the beginnings of English Drama are the subject of the seminary. Though the cycles of the mystery plays are considered in general, the larger part of the time is devoted to the study of the English morality plays. Particular attention is given to the connection between the moralities and the didactic treatises and the debates. The moralities and the secular drama are studied historically up to the time of Heywood. In addition to the reading and discussion of selected plays, lectures are given by the instructor with the object of setting various elements of dramatic development in proper proportion. Critical reports on assigned topics are required from the students.

Dr. Brown offers in 1910-11 and again in 1912-13 the following graduate courses:

Beowulf.

Two hours a week throughout the year.

This course gives in the first place a general survey of Beowulf criticism, including textual problems, theories as to the composition of the poem, and an enquiry into its historical and mythological elements. In this connection a study is also made of the other pieces of Anglo-Saxon heathen poetry. This course is open to graduate students who have already taken the course in Anglo-Saxon Grammar and reading of Anglo-Saxon Texts, or its equivalent.

*See footnote p. 73.

English Historical Grammar.

Two hours a week throughout the year.

In this course the development of the English Language is traced from the earliest times. After an outline has been given of the history and external relations of English, the change and decay of inflections, the use of prepositions and the more important points in historical syntax are discussed. The course presupposes a knowledge of Anglo-Saxon and Middle English.

Mr. Moore offers in 1911-12 and Dr. Brown offers in 1913-14 the following graduate course:

Cynewulf and Cædmon.

Two hours a week throughout the year.

Several of the poems traditionally ascribed to these authors are critically studied. Lectures are given with a view to furnishing a thorough introduction to Anglo-Saxon Christian poetry and the literary problems connected with it. This course is open to graduate students who have already taken the course in Anglo-Saxon grammar and reading of Anglo-Saxon texts or its equivalent.

Miss Donnelly conducts in each year the following graduate seminary:

Seminary in English Literature.

Two hours a week throughout the year.

In 1911-12 Shelley and Byron will be studied. Especial attention will be given to the phases of Romanticism shown in their work and to their relations to their contemporaries in England and on the Continent.

In 1912-13 Swift, Addison, and Steele will be studied. Attention will be given to their relations to both contemporary politics and literature.

In 1913-14 Milton, Sir Thomas Browne, and Jeremy Taylor will be studied in their relation to the development of English prose in the seventeenth century.

Dr. Upham conducts in each year the following graduate seminary:

Seminary in English Literature.

Three hours a week throughout the year.

In 1910-11 the seminary is concerned with the literary and critical activity of the mid-eighteenth century, centering in Dr. Johnson and his circle. Representative works of the period are read and discussed, and particular attention is directed to such matters as the coterie spirit, the influence of periodical literature, the relations of author and public, the breaking down of classical standards, and the rise of romanticism in England and abroad.

The seminary in 1911-12 will deal with the various phases of English sentimentalism in their relation to continental activities. After tracing the earlier development of the sentimental spirit, a thorough study will be made of the manifestations of this spirit in eighteenth century novel and drama. Particular attention will be given to the bearing of sentimentalism on the beginnings of the romantic movement, and special studies will be made of literary relationships.

In 1912-13 the seminary will be devoted to studies in the later romantic movement in England, including the period of its diffusion. Emphasis will be placed upon such matters as the Italian and Spanish revival, the new interest in Hellenism, the Tractarian movement in the church, and the various ideals of art represented in the Pre-Raphaelite Brotherhood. Extensive studies in these lines during the first semester will prepare for special investigations later.

Dr. Upham offers in 1911-12 and again in 1913-14 the following graduate course:

Literary Criticism through the Renaissance.

Two hours a week throughout the year.

A survey, from the graduate point of view, of the significant movements and documents in the history of European critical theory from Aristotle, through the activities of the Renaissance, to the consummation of the neo-classic code in the seventeenth century. The bearing of these upon English literature will be emphasized throughout. The lectures aim chiefly to indicate outline and relationships, the important feature of the course being the thorough study and frequent discussion of the material.

Dr. Upham offers in 1912-13 and again 1914-15 the following graduate course:

Modern Literary Criticism.

Two hours a week throughout the year.

A survey of the important phases of literary criticism in Europe from the neo-classic period, through the development of romanticism, to the present day. Inter-relationships of England and the continent will be made prominent. This course will be similar in scope and method to the course in Literary Criticism through the Renaissance.

Dr. Hatcher conducts in each year the following graduate seminary:

Seminary in Elizabethan Literature.

Three hours a week throughout the year.

In 1910-11 Spenser is studied in the light of Mediæval and Renaissance culture. The subjects taken up are the inspiration, models, and sources of Spenser's poetry; the many influences working upon him, and those emanating from him, as shown in the significant blending of classical, mediæval, and Renaissance tendencies in his poetry, and his initiative in solving the literary problems of his time. In the first semester all the works of Spenser are read and the results of Spenserian research examined. The second semester is devoted largely to the investigation by each student of some special problem.

In 1911-12 English drama from 1558 to 1642 will be studied, as the chief literary expression of the period. The conditions of its origin and continued production, its nature, extent, variety, development and decadence are discussed and a reasonable proportion of the extant plays of the period are read continuously as a background for other work. A brief introductory study is made of dramatic genres and of the broader principles of dramatic construction, and the remainder of the first semester is devoted to the examination of contemporary documents and other sources of information in regard to Elizabethan drama. In the latter half of the year each student investigates some special problem, such as dramatic inter-relationship or authorship, and gives reports upon her work.

Shakespeare is the subject of the seminary in 1912-13. In the first semester as detailed a review as is practicable is made of the results of Shakesperian scholarship as regards critical problems of biography, authorship, chronology and source material of the plays, a comparison of varying versions of separate plays, the influence of earlier and contemporary dramatists, etc. Dramatic records relating to Shakespeare are also examined at first hand and evidences of his participation in the general dramatic activities of his time noted. In the second semester students are given individual problems for investigation.

Dr. Brown, Miss Donnelly, Dr. Upham, and Dr. Hatcher together conduct the journal club.

English Journal Club.

One and a half hours a fortnight throughout the year.

The advanced students and the instructors meet to report on and discuss recent reviews and critical articles.

The following advanced undergraduate courses may be attended by graduate students:

Miss Donnelly offers in 1910-11 and again in 1912-13 the following course:

English Poetry from 1780 to 1832.

Two hours a week throughout the year.

This course consists of a detailed study of the poetry of Cowper, Burns, Wordsworth, Coleridge, Scott, Byron, Shelley, and Keats; special attention is paid to the rise and development of the Romantic movement in English poetry, with occasional reference to similar movements in France and Germany.

Miss Donnelly offers in 1911-12 and again in 1913-14 the following course:

English Drama.

Two hours a week throughout the year.

This course is intended to give students that have completed the required course in English a more intimate knowledge of the later Elizabethan and the Jacobean drama. The lectures follow the development of the realistic and romantic tendencies in the comedy and tragedy of the period both as an expression of the national life and of the individual genius of the various dramatists. Selected plays of Shakespeare, Middleton, Ben Jonson, Beaumont and Fletcher, and other dramatists are read in connection with the lectures.

Dr. Brown* offers in each year the following course:

Anglo-Saxon Grammar and reading of Anglo-Saxon Texts.

Two hours a week throughout the year.

The course begins with an outline of Anglo-Saxon grammar as presented in Bright's *Anglo-Saxon Reader*. Selections in prose and verse from Bright's reader are next read with the class. In the second semester after a brief study of alliterative verse selections from *Beowulf* are read. Throughout the year lectures are given outlining the literature of the period and texts are read in translation.

Dr. Brown offers in 1910-11 and again in 1912-13 the following course:

Middle English Romances.

Three hours a week throughout the year.

Selected romances are read by the members of the class. The lectures deal with the development of Romance literature in English with special reference to the romances of Germanic origin and the Arthurian cycle.

Dr. Brown* offers in 1911-12 and again in 1913-14 the following courses:

Middle English Poetry.

Three hours a week during the first semester.

The course begins with an outline of Middle English grammar sufficient to enable the students to read ordinary texts intelligently. Selections are then read from Layamon's *Brut*, Robert of Gloucester's *Chronicle*, Barbour's *Bruce*, Richard Rolle, Robert of Brunne's *Handlyng Synne*, Langland's *Vision of Piers the Plowman*, Gower's *Confessio Amantis*, and other pieces of Middle English literature. Lectures are given on the development of the language and literature during this period. The course is designed as an introduction to the course on Chaucer given in the second semester but may be taken independently.

* See footnote p. 73.

Chaucer.

Three hours a week during the second semester.

In this course the best of the *Canterbury Tales* are studied, also the *Legend of Good Women*, *The House of Fame*, and portions of *Troilus and Criseyde*. The lectures discuss Chaucer's sources and literary art, and his relation to the English, French, and Italian literature of his time. Students taking this course are recommended, but not required, to have taken the course in Middle English poetry.

Dr. Upham offers in each year the following courses:

Classical and Romantic Prose.

Three hours a week throughout the year.

In the first semester the writings of Dr. Johnson and Edmund Burke are considered with special reference to the conflict of Classicism and Romanticism. In the second semester the works of Lamb, Hazlitt, and DeQuincey are studied. Class room discussion is encouraged and several reports are required.

English Critics of the Nineteenth Century.

Three hours a week throughout the year.

The essayists and critics after 1832 are studied. In the first semester the authors usually chosen are Carlyle, Newman and Matthew Arnold. Short papers and one long essay must be prepared by the students attending the course. In the second semester Ruskin, Pater, and Swinburne are discussed.

Miss King offers in 1910-11 and again in 1911-12 the following free elective courses:

Victorian Poets.

Two hours a week during the first semester.

The works of Tennyson, Arnold, Clough, Fitzgerald, and Landor are studied.

Victorian Poets (continued).

Two hours a week during the second semester.

The Pre-Raphaelite movement is considered, and the works of Morris, Rossetti, Swinburne, and Browning are studied.

Dr. Crandall offers in each year the following free elective course:

Argumentation.

Two hours a week throughout the year.

In the first semester the technique of argumentation is studied, and in the second semester the relation between the laws of thought emphasised in the first semester and the ordinary forms of prose composition is established.

Miss King offers in 1910-11 and again in 1911-12 the following free elective course:

Theory and Practice of Verse Composition.

Two hours a week throughout the year.

The course is not historical but theoretical and practical. The lectures deal with the theory of poetry, the difference between poetry and prose, and the laws of verse in English. Students are required to write short exercises in verse every week.

Miss King offers in 1912-13 the following free elective course:

Imitative Writing.

Two hours a week throughout the year.

This course consists of a study of the formation of style by the method of imitation. The lectures deal with the elements and the psychology of style, and as far as may be necessary, with the authors selected for imitation. In 1912-13 these will be men of the seventeenth century.

Mr. King offers in 1910-11 and again in 1912-13 the following free elective course in English Diction:

General Reading of Prose Authors. *One hour a week throughout the year.*

This course is open only to those students who have attended the required course in English diction or who have done equivalent work.

Mr. King offers in 1911-12 and again in 1913-14 the following free elective course in English Diction:

Reading of Shakespeare. *One hour a week throughout the year.*

This course is open only to those students who have taken the required course in English diction. A special study is made of the principles of correct delivery of blank verse. The needs of those students who intend to teach English literature, and desire to read Shakespeare to their pupils, are given special attention.

German.

The instruction in this department is under the direction of Dr. Karl Detlev Jessen, Associate Professor and Professor (elect) of German Literature, Dr. Agathe Lasch, Associate in Teutonic Philology, and Miss Mary Jeffers, Reader in Elementary German.

GRADUATE COURSES.

The graduate courses offered in German philology may be found under the head of General Teutonic Philology.

Graduate work in the history of modern German literature is conducted according to the seminary method. The courses are so varied that they may be followed by graduate students throughout three successive years and cover the work required of students who offer German literature as a major or a minor for the degree of Doctor of Philosophy.

No undergraduates are admitted to graduate courses.

Dr. Jessen conducts in each year the following graduate seminary:

Seminary in German Literature. *Two hours a week throughout the year.*

Although the seminary meets only two hours a week throughout the year, the amount of reading required makes the course equivalent to five hours a week. It is hoped that the students will become familiar in these courses with the methods of scientific literary criticism and investigation.

In 1910-11 Goethe's life and works are the subject of the seminary. Goethe's views on æsthetics and philosophy, translations by and from Goethe, Goethe and romanticism, text criticism applied to selected works, studies of Goethe's style and use of words, and similar subjects will be investigated.

In 1911-12 subjects for study will be chosen from the life and works of Kleist, Lenau, Heine, Grillparzer, Platen, and Droste-Hülshoff.

In 1912-13 the Romantic School and the *Volkslied* will be studied.

Dr. Jessen offers in 1910-11 and again in 1912-13 the following graduate courses:

German Metrics.

One hour a week during the first semester.

This course consists of lectures on *Deutsche Metrik* or *Verslehre*, with an introduction to phonetics, this being an indispensable *Hilfswissenschaft* for the study of German literature.

German Poetics.

One hour a week during the second semester.

Lectures are given on *Deutsche Poetik* and *Stilistik*.

Dr. Jessen offers in 1911-12 and again in 1913-14 the following graduate courses:

German Literary Criticism.

One hour a week during the first semester.

The lectures trace the development of literary and aesthetic criticism in Germany from Leibniz to Schiller and Goethe. The course is comparative, and French and English literary criticism are also considered. Lessing's *Laokoön* and *Hamburgische Dramaturgie* and Schiller's essays on æsthetics are specially studied. The course is open to those students only who have a reading knowledge of French and German.

The German Essay.

One hour a week during the second semester.

The history of the essay in German literature is studied and the most eminent German essayists, Schopenhauer, Herman Grimm, Karl Hillebrand, Friedrich Nietzsche, etc., are discussed. The influence of French, English, and American writers, in particular Montaigne, Macaulay, and Emerson, is traced, and incidentally the evolution of modern German prose style is treated.

Dr. Jessen offers in each year, if the time of the department permits, the following graduate course:

Goethe's *Faust*.

Two hours a week throughout the year.

This course is intended to give a detailed introduction to the problems of *Faust-philologie*, dealing with both the first and second part of *Faust*.

Dr. Jessen and Dr. Lasch conduct in each year the Germanic journal club.

Germanic Journal Club.

Two hours once a fortnight throughout the year.

At the meetings recent books and articles are reviewed and the results of special investigations presented for discussion, comment and criticism.

POST-MAJOR COURSES.

Dr. Jessen offers in 1910-11 and again in 1912-13 the following post-major courses, open to graduate students:

German Literature from 1850 to the present time.

Two hours a week during the first semester.

The subject of this course is, in the first semester, the *Epigonen-Literatur*. The development of the modern German *Novelle* is discussed and Keller's, Storm's, and C. F. Meyer's works are specially studied. A full account of the poets of the *Münchener Schule* is given, in particular of Richard Wagner, Reuter, Groth, Freytag, Spielhagen, Scheffel, Raabe, Geibel, Heyse, and Schack.

German Literature from 1850 to the present time (continued).

Two hours a week during the second semester.

In the second semester among the subjects discussed are the influence of French, Russian, and Scandinavian literatures, especially of the work of Zola and Ibsen on German literature; modern German realism and naturalism as represented by Fontane, Anzengruber, Wildenbruch, Hauptmann, Sudermann, Liliencron, and Rosegger; the increased importance of women in literature, and the work of Marie von Ebner-Eschenbach, Louise von François, Ricarda Huch, Helena Böhlau, Isolde Kurz, Clara Viebig and others; the significance of Nietzsche for German life and literature; neo-romanticism and *Heimatsdichtung*.

Dr. Jessen offers in 1911-12 and again in 1913-14 the following post-major courses, open to graduate students:

Lectures on the History of German Literature from the Romantic School till 1850.

Two hours a week during the first semester.

This course begins with a general study of the principles of philosophy, life, art, and poetry, as represented by the Romantic School, which is followed by lectures on the literary movements, expressed mainly in lyric poetry and in the novel, which supersede the Romantic *Weltanschauung*. The lyrics of the war of liberation, the *Weltschmerz*, and the political revolution; the novel of *Jungdeutschland*; the drama of Heinrich von Kleist; the works of the Schlegels, Tieck, Hölderlin, Jean Paul, Novalis, Uhland, Lenau, Heine, Immermann, Freiligrath, Herwegh, Gutzkow, Mörike, and Gotthelf, are the principal topics discussed.

German Drama in the Nineteenth Century.

Two hours a week during the second semester.

The drama of Heinrich von Kleist is studied with special reference to that of the classical period, and to the dramatic efforts of the Romanticists. The place of Grillparzer in German literature is defined, as well as the significance of Grabbe and Raimund. This leads to Otto Ludwig and to Friedrich Hebbel, who is the central figure, chronologically as well as in importance, of the German drama during the nineteenth century. The course ends with a review of Anzengruber, Wildenbruch, Sudermann, Hauptmann, and of other modern writers.

Dr. Jessen offers in each year the following post-major course, open to graduate students:

Advanced Critical Reading.

One hour a week throughout the year.

The reading is selected from works discussed in the post-major lectures on literature. The students give reports on dramas or novels, the object of the discussion being to trace the characteristics of the author, as shown in his works. Special attention will be paid to the needs of students who intend to teach German.

Dr. Lasch offers in each year the following post-major course, open to graduate students:

Elementary Middle High German.

One hour a week throughout the year.

This course has been arranged primarily for undergraduate students who wish to be able to read the Middle High German classics in the original. Wright's *Middle High German Primer* (2nd edition, Oxford, 1899) is used.

GENERAL TEUTONIC PHILOLOGY.

The instruction in this department is under the direction of Dr. Agathe Lasch, Associate in Teutonic Philology.

Special attention is called to the facilities for the study of comparative teutonic philology offered by Bryn Mawr College. The English and the German departments together have provided for a complete course in teutonic philology, comprising both the study of the individual languages (Gothic, Norse, Anglo-Saxon, Old Saxon, Old High German, Middle High German, Middle Low German, etc.) and the study of general comparative philology.

The courses in introduction to the study of teutonic philology, Gothic and Middle High German grammar (first-year course), are designed for students in their first year of graduate study in Teutonic languages, and the remaining courses for students in their second or third year.

Students intending to elect teutonic philology are advised to study Greek for at least one year during their undergraduate course.

GRADUATE COURSES.

Dr. Lasch offers the following graduate courses:

Introduction to the Study of Teutonic Philology.

One hour a week throughout the year.

These lectures deal with the following topics: a discussion of Teutonic in its relation to the cognate Aryan languages; a brief sketch of the single Teutonic languages, accompanied by an account of the chief grammatical and lexicographic works on each; a discussion of the aim and method of historical and comparative grammar, including problems such as those of the relationship of dialects and the consistency of phonetic laws; a brief history of Teutonic philology, and finally the outlines of general phonetics.

Gothic.

Two hours a week throughout the year.

Gothic phonetics and inflection are studied in connection with the elements of comparative Aryan grammar. Braune's *Gotische Grammatik* (7th ed., Halle, 1909); or Streitberg's *Gotisches Elementarbuch* (3rd ed., Heidelberg, 1910) are used as text-books.

As a thorough knowledge of Gothic is the foundation of the study of historical and comparative Teutonic grammar, every graduate student of Teutonic grammar is advised to take this course as early as possible. *Die Gotische Bibel* (ed. by W. Streitberg, Heidelberg, 1908) is used by the more advanced students.

Middle High German Grammar and reading of Middle High German Texts (first-year course).

Two hours a week throughout the year.

This course includes a brief abstract of Middle High German grammar, with special reference to the difference between Middle High German and Modern German, and a study of the most prominent authors in Middle High German. Part of Hartmann's

Armer Heinrich is read, and is followed by selections from the *Nibelungenlied*, a brief account being given of the "Nibelungenfrage" and of the manuscripts of the *Nibelungenlied*.

Students of Middle High German should be provided with Paul's *Mittelhochd. Grammatik* (7th ed., Halle, 1908), or Michels's *Mittelhochd. Elementarbuch* (Heidelberg, 1900).

For a more complete treatment of the subject T. Wright's *Historical German Grammar* (Vol. 1, Oxford, 1907) is recommended.

This course is required of all students that make German the minor subject in their examination for the degree of Doctor of Philosophy.

The private reading includes the works of the authors treated in the course.

Old High German.

Two hours a week throughout the year.

This course is offered to students acquainted with Gothic and Middle High German, or at least modern German, and includes a practical study of Old High German grammar, and a comparison of the Old High German sounds and forms with those of Middle and Modern High German. Selections are read from Old High German texts, arranged so as to proceed from easy to more difficult pieces, and to illustrate the difference between the Old High German dialects.

Middle High German (second-year course).

One hour a week throughout the year.

This course is intended for students that have followed the first year's course in Middle High German. The first semester is devoted to the *Höfisches Epos*, and the second semester to Minnesangs Frühling and Walther von der Vogelweide.

Old Saxon.

Two hours a week during the second semester.

The work presupposes on the part of the students a sufficient knowledge of Gothic and Anglo-Saxon. Holthausen's *Altsächsisches Elementarbuch* (Heidelberg, 1900); the *Heliand* (in Sievers's or Behaghel's edition), and Zangemeister-Braune's *Bruchstücke der altsächsischen Bibeldichtung* (Heidelberg, 1894) are used. The reading is supplemented by a discussion of the West Germanic alliterative verse with reference to versification and poetic style in Anglo-Saxon.

Old Norse.

Two hours a week during the second semester.

This course may, by request, be substituted for the course in Old Saxon.

Students entering this course are supposed to be acquainted with Gothic and with Anglo-Saxon or Old High German grammar. In the grammatical part of the course attention is paid to the relation between Gothic and Norse, and to the differences between the East Teutonic and West Teutonic branches. Among the texts read, selections from the younger and the older *Eddas* take a prominent place.

The books used are Kahle's *Altisländisches Elementarbuch* (Heidelberg, 1900) and some of the *Islandinga sögur* (*Altnordische Saga-Bibliothek*) and Hildebrand's *Edda* (2nd ed., Paderborn, 1904).

Attention is called to the facilities afforded for the study of Old Norse. A considerable portion of the library of the late philologist, Th. Wisén, of Lund, was acquired by Bryn Mawr College, and hence the library is probably as well supplied as any other college library in the United States with Old Norse texts, Norse periodicals, and works on Old Norse language and literature.

Comparative Teutonic Grammar.

One hour a week throughout the year.

The study of comparative Teutonic philology is recommended to those students only who are acquainted with the single old Teutonic languages, and have studied Gothic, Old High German, Old Saxon, Anglo-Saxon, and Norse. The object of the course is to compare the various old Teutonic languages with each other and with the related Aryan languages,—or in other words (1) to reconstruct the primitive Teutonic language; (2) to point out the characteristic features of primitive Teutonic in distinction from primitive Aryan; (3) to carry down the history of early Teutonic from the period of unity into the early stages of the individual Teutonic languages.

History of the *Neuhochdeutsche Schriftsprache*.

One hour a week throughout the year.

These lectures deal with the history of the development of the German written language during the modern 'High German' period. The most important *Kanzleisprachen*, the most prominent *Druckersprachen*, Luther, Modern German sounds and forms in their relation to the German dialects and to the rules of the *Bühnenaussprache*, will be discussed as they have contributed to the development of Modern German.

Teutonic Seminary.

One hour a week throughout the year.

This seminary is arranged for the benefit of the most advanced students in Teutonic philology. Its object is to encourage independent work on the part of the students. The work consists mainly of the discussion of special topics by the instructor and the students. Members of the seminary are expected to study the literature on these subjects, and to make an effort to contribute some additional material, or an independent opinion of their own.

In 1910-11 the subjects of the seminary are taken from Middle High German texts.

In 1911-12 Old High German texts will be studied.

In 1912-13 the first semester will be devoted to Old Saxon texts (*Heliand* and *Genesis*) and the second semester to texts from *frühneuhochdeutsch*.

In addition to the above courses, others in Old Frisian, Dutch, Middle Low German, or Modern Low German may be arranged for students that have previously studied Gothic, Old and Middle High German, Anglo-Saxon, and Old Saxon.

ROMANCE LANGUAGES.

French.

The instruction in this department is under the direction of Dr. Albert Schinz, Associate Professor and Professor (elect) of French Literature, Dr. Richard Thayer Holbrook, Associate Professor of French Philology and Italian, Mr. Frederick A. Blossom, Lecturer in French, and Dr. Emma Haerberli, Reader in Elementary French.

GRADUATE COURSES.

There are offered each year three distinct graduate courses in French, two in literature and one in language, and these courses are varied so that they may be pursued by students through three or more consecutive years.

Graduate students interested in the study of literature will find it to their advantage to attend the lectures on French literature two hours a week throughout the two years of the major course in French.

No undergraduates are admitted to graduate courses.

Dr. Schinz conducts in each year the following graduate seminary:

Seminary in French Literature.

Three hours a week throughout the year.

In 1910-11 Rousseau is the subject of the seminary. In the first semester, after a discussion of his life, a study is made of the *Confessions*, *Réveries*, and *Correspondance*. Special attention is paid to the controversy *Confessions* versus *Mémoires d'Epinay*, transformed by the discoveries of Mrs. MacDonald. The questions of Rousseau's

insanity and suicide are discussed. The second semester is devoted chiefly to the study of Texte's *Jean Jacques Rousseau et le cosmopolitisme littéraire*. The *Lettre à d'Alembert* and the *Nouvelle Héloïse* serve as a text to this theory.

In 1911-12 the subject of the seminary is Victor Hugo. The seminary deals with his lyrical works. The following subjects are treated: Victor Hugo as a Royalist and Catholic poet; his indebtedness to Chateaubriand, Sainte-Beuve, Nodier and other contemporaries; his attitude towards Napoleon I., the Republic of 1848 and Napoleon III.; and his social, political and religious ideas in the period of his maturity and of his old age.

In 1912-13 the subject of the seminary will be Montaigne. Various problems connected with his life, his relations to Protestantism and to the political problems of his time, the question of the authorship of the *Discours sur la servitude volontaire*, the origin and sources of the essays, Montaigne and the Renaissance, and Montaigne and Plutarch will be discussed. A special study will be made of Montaigne's style and of the *Apologie de Raymond de Sebonde*.

Mr. Blossom conducts in each year the following graduate seminary:

Seminary in French Language and Literature.

Two hours a week throughout the year.

In 1910-11 the work of the seminary is an analytical study of the modern French language. Questions of syntax, style and vocabulary are discussed with a view to acquiring a thorough command of the idiomatic language.

In 1911-12 the subject of the seminary is *La 'Matière de Bretagne' et l'épopée courtoise*. The course includes a careful study of the *Lais* of Marie de France, the poems referring to Tristan, and the *Romans* of Chrétien de Troie; these are studied in connection with the question of their origin in Celtic countries and their later development in France. The different theories that have been proposed as to their origin and evolution are examined and discussed and an attempt is made to determine their comparative value.

The subject of the seminary in 1912-13 is Ronsard and the *Pléiade*, the object being to determine the origin, the extent, and the success of the Renaissance movement in France. The chief works of Ronsard and his successors, especially Du Bellay and Baif, will be read and discussed.

In 1913-14 the subject of the seminary will be Molière. The subjects studied will be: French Comedy before Molière; Molière's comedies, their Latin, Italian, and French sources; his style and method of composition; the nature of his "comique," his philosophy and his morality.

Dr. Holbrook offers in each year the following graduate courses:

The course in Old French Philology is intended for students in their first year of graduate study; that in Provençal and the Old French Seminary for students in their second or third year of graduate study; the Journal Club may be attended by students in their first, second, or third year of graduate study. The course in Old French Readings is designed to be taken in connection with the seminary in Old French.

Old French Philology.

Three hours a week throughout the year.

This course consists of lectures on the phonology, morphology, and syntax of Old French, and is designed not only for students whose main pursuit is Romance philology, but also for those who wish to acquire more precise knowledge of the French elements in Middle English. The main principles of Historical Grammar are studied in the *Extraits de la Chanson de Roland*, published by Gaston Paris, and in various texts in L. Constans's *Chrestomathie*. Other books used are Passy's *Sounds of the French Language*, Grandgent's *Introduction to Vulgar Latin*, Nyrop's *Grammaire Historique de l'Ancien Français*, and Schwan's *Grammaire de l'Ancien Français*.

Old French Readings.

Two hours a week throughout the year.

Various typical Old French masterpieces are studied from a scientific standpoint. The essential facts of Old French grammar are reviewed and rare or difficult locutions are minutely examined for the sake of precise interpretation; dialectal features are considered and attention is given to the relation of manuscripts to printed texts. In addition to the works named below, students are expected to supply themselves with Gaston Paris's *Littérature française au moyen âge*.

The following courses may be rearranged to suit the needs of students in any particular year.

In 1910-11 and again in 1912-13 epic and historical literature is the subject of the course. The texts required are Stengel's edition of the *Chanson de Roland* (Leipsic, 1900); the *Pèlerinage de Charlemagne* (ed. by Koschwitz, Leipsic, 1900), and the *Extraits des Chroniqueurs Français* (Villehardouin, Joinville, Froissart, Commines), ed. by G. Paris and A. Jeanroy, Paris, 1893.

In 1911-12 dramatic literature will be studied. Various mysteries and miracle plays will be examined; but the course will deal mainly with purely mediæval comedy (ca. 1260—ca. 1530). The texts used are Adam de la Hæle's *Jeu de la feuillée* (edition of Rambeau, Marburg, 1886, and of Langlois, Paris, 1895); Paul Lacroix's *Recueil* (Paris, 1859), and the facsimile of Guillaume Le Roy's *Patelin* (1486?), printed for the Société des textes Français modernes.

Old French Seminary.

Two hours a week throughout the year.

The work of the seminary is on the most important Old French dialects. Texts in Norman, Picard, Francian and Franco-Provençal are studied with reference to their dialectal features in order that the student may acquire the power to determine approximately the origin of other texts in which the same dialectal features occur.

Old Provençal.

Two hours a week throughout the year.

This course is intended for students of Old French who wish to begin the study of the language and literature of the Troubadours. The books required are Grandgent's *Outline of the Phonology and Morphology of Old Provençal* (Boston, 1905) and Appel's *Provenzalische Chrestomathie* (latest edition).

Dr. DeHaan, Dr. Schinz, Dr. Holbrook and Mr. Blossom, together conduct the journal club in Romance languages.

Romance Languages Journal Club.

One and a half hours a fortnight throughout the year.

The journal club is intended to make the advanced students familiar with all the important European periodicals and with new books dealing with Romance Philology. For each session of the club an important article chosen from some one of the various periodicals is assigned to a student for review. The student is also referred to previous articles or publications treating of the same subject as that of the review, and is expected to present to the club a chronological outline of the history and stages of the discussion on the given point. Thus the students become familiar with the names of leading Romance scholars and with the particular lines of research in which each of the latter excels. At the same time such reviews prepare the way for seminary work and original investigations.

POST-MAJOR COURSES.

Dr. Schinz offers in 1910-11 and again in 1912-13 the following post-major course, open to graduate students:

French Lyric Poetry of the Nineteenth Century.

Two hours a week throughout the year.

In the first semester the lectures treat lyric poetry until the year 1866. Special attention is paid to the period from 1850 to 1866, while Lamartine, Hugo, Sainte-

Beuve, de Vigny, and de Musset are treated only so far as is necessary for the understanding of the evolution of lyric poetry in their successors, Baudelaire, Gautier, de Banville, Leconte de Lisle, etc. The lectures of the second semester treat contemporary lyric poetry from 1866 to 1900. A careful study is made of the Parnassian and Symbolist schools.

Dr. Schinz offers in 1911-12 and again in 1913-14 the following post-major course, open to graduate students:

The Short Story (*Nouvelle*) in the Nineteenth Century.

Two hours a week throughout the year.

The *genre nouvelle* is studied in connection with the following writers: Xavier de Maistre, Chateaubriand, Nodier, de Vigny, de Musset, Balzac, Mérimée, Gautier, Laboulaye, Daudet, Bourget, Maupassant, France, Coppée, Loti, Villiers de l'Isle Adam, de Régnier, and others.

Mr. Blossom offers in each year the following post-major course, open to graduate students:

Teachers' Course in French Phonetics. *One hour a week throughout the year.*

This course is designed especially for students who intend to teach French but is open also to other students. Its object is to teach the theory and practice of French phonetics, not only to correct the student's own errors of pronunciation, but also to train the ear to detect and identify those of others. The methods employed include lectures on the physiological and phonetical aspects of the subject, exercises in reading graded passages of prose and verse, and practice with special phonograph records to master the cadence of French diction.

Mr. Blossom offers in 1910-11 the following post-major course, open to graduate students:

Early French Lyric Poetry. *One hour a week throughout the year.*

After a study of the principles of French versification, the history of lyric poetry in France is studied from its origin to the end of the eighteenth century, particular attention being paid to the works of Rutebeuf, Charles d'Orléans, Villon, Marot, and Ronsard.

Mr. Blossom offers in 1911-12 the following post-major course, open to graduate students:

The Romantic Drama of the nineteenth century.

Two hours a week throughout the year.

The lectures deal with the origin and development of the romantic drama in the works of Victor Hugo, Alexandre Dumas père, Alfred de Vigny, and Alfred de Musset. Its renaissance in the latter part of the century in Richepin and Edmond Rostand is then discussed.

Mr. Blossom offers in 1912-13 the following post-major course, open to graduate students:

Origin, development, and decline of realistic comedy.

Two hours a week throughout the year.

The lectures treat of the origin of realistic comedy in Beaumarchais; its period of highest development in Augier, Dumas fils, Pailleron, and Sardou; its decline, the *comédie naturaliste*; new systems and new writers, Jules Lemaitre and Edmund Rostand.

Italian.

The instruction in this department is under the direction of Dr. Richard Thayer Holbrook, Associate Professor of French Philology and Italian.

GRADUATE COURSES.

Dr. Holbrook offers in each year the following graduate courses:

Italian Philology.

One hour a week throughout the year.

This course presupposes a knowledge of Old French Philology and the equivalent of the minor and major courses in Italian offered at Bryn Mawr College. The work is founded upon the treatise entitled *Die Italienische Sprache* by D'Ovidio and Meyer Lübke in Gröber's *Grundriss* (Strassburg, 1906). Various passages from thirteenth and fourteenth century authors are examined critically from a phonological and morphological point of view.

Old Italian Readings.

One hour a week throughout the year.

Students should provide themselves with the first volume of D'Ancona and Bacci's *Manuale della Letteratura Italiana* (Florence, 1904).

Dr. DeHaan, Dr. Schinz, Dr. Holbrook and Mr. Blossom together conduct the journal club in Romance languages.

Romance Languages Journal Club.

One and a half hours a fortnight throughout the year.

Dr. Holbrook offers in each year the following undergraduate courses, open to graduate students:

FIRST YEAR.

Modern Italian.

Five hours a week throughout the year.

This course is designed to prepare beginners for the study of Italian literature, as well as for the practical use of the language. Reading is taken up from the start, a careful pronunciation is insisted upon, and the essentials of the grammar are taught by a critical observation of the texts used and by graded exercises in the rendering of English into Italian. The books used are the following: C. H. Grandgent's *Italian Grammar*; Bowen's *Italian Reader* and Hecker's *Il Piccolo Italiano*; Giuseppe Finzi's *Petrarca* (1900); De Marchi's *Storie*; selections from the verse and prose of Renato Fucini and others.

SECOND YEAR.

Italian Classical Literature.

Three hours a week throughout the year.

The work in this course is to translate most of the *Inferno* and parts of the *Purgatorio* and *Paradiso*; then selections from Ariosto and Tasso. For these two the study of difficult modern prose and poetry may be substituted, with exercises in writing and speaking. Training in pronunciation will be given throughout the course. The lectures on literature are delivered in Italian.

Spanish.

The instruction in this department is under the direction of Dr. Fonger DeHaan, Professor of Spanish.

GRADUATE COURSES.

Dr. DeHaan offers in each year the following graduate courses:

Lectures in Spanish on Spanish Literary History till the death of Calderon (1681). *One hour a week throughout the year.*

The lectures are supplemented by extensive private reading of important works.

Essays in Spanish. *Two hours a week throughout the year.*

Spanish Philology. *One hour a week throughout the year.*

Old Spanish Readings. *One hour a week throughout the year.*

Dr. DeHaan, Dr. Schinz, Dr. Holbrook and Mr. Blossom together conduct the journal club in Romance languages.

Romance Languages Journal Club.

One and a half hours a fortnight throughout the year.

POST-MAJOR COURSES.

Dr. DeHaan offers in each year the following post-major course, open to graduate students:

Spanish. *Two hours a week throughout the year.*

This course in composition and conversation is offered to those students who have completed the major course.

Dr. DeHaan offers in each year the following undergraduate courses, open to graduate students:

FIRST YEAR.

Spanish. *Five hours a week throughout the year.*

The object of this course is to give beginners a good knowledge of modern Spanish, and to ground them thoroughly in the essentials of the grammar. As a preparation for understanding the spoken language, two half-hours a week during the second semester are devoted to dictation. The books studied are the following (taken up in the order indicated): DeHaan's *Cuentos Modernos*; Pérez Nieva, *Tomás el torrero* (Madrid, Colección Klong); De Haan's *Selected Works of G. A. Béquer*; Hartzenbusch, *Los Amantes de Teruel* (Obras, vol. III.); Zorrilla, *Granada* (Madrid, 1895, 2 vols.).

Private reading: Palacio Valdés, *José*; Galdós, *Marianela*.

SECOND YEAR.

Lectures in Spanish on Spanish Literary History of the Nineteenth Century. *Two hours a week throughout the year.*

Spanish Composition. *One hour a week throughout the year.*

Critical Reading in Spanish. *Two hours a week throughout the year.*

Private reading: Private reading supplementing the lectures on literary history comprises representative works in the various branches of literature.

COMPARATIVE LITERATURE.

The instruction in this department is under the direction of Dr. Orie Latham Hatcher, Associate in Comparative Literature and Elizabethan Literature, Dr. Alfred Horatio Upham, Associate Professor of English Literature, and Miss Georgiana Goddard King, Reader in English and Lecturer in Art.

GRADUATE COURSES.

The graduate courses in comparative literature change from year to year throughout a cycle of three years. They may be taken by graduate students of English in connection with the seminary in Elizabethan literature or may be elected separately.

Dr. Hatcher offers in 1910-11 the following graduate course:

Drama as a Reflection of Contemporary Life.

One hour a week throughout the year.

Some one period in the development of the drama, in 1910-11 the Elizabethan, is chosen as the basis of study, and the drama of that period is related as far as practicable to the social, economic and religious conditions of the time. The themes, situations, moral codes, and technical construction of plays of the period selected are examined.

Dr. Hatcher offers in 1911-12 the following graduate course:

The Indebtedness of Elizabethan Literature to Continental

Two hours a week throughout the year.

The course deals with the stimulus felt in Elizabethan England from the earlier literary activity in the Romance countries and the consequent earlier development there of critical theories, the arts of versification, and of definite literary types. The models contributed to English literature by Italy, France, and Spain in epic, pastoral, tragedy, comedy, lyric, etc., are studied as well as the material actually borrowed and incorporated into Elizabethan literature. The significance of Elizabethan translations is emphasised.

Dr. Hatcher offers in 1912-13 the following graduate course:

Dramatic Theory and Technique in England until 1642.

Two hours a week throughout the year.

The course inquires into the critical origins of English dramatic theory and into the technique of the various types of drama appearing in England before the closing of the theatres in 1642. An attempt is made to differentiate important sub-types of comedy and tragedy, and the essential characteristics of tragi-comedy, masque, and pastoral are noted. The inquiry includes references to foreign models and analyses of representative English plays of each type.

The following undergraduate courses may be attended by graduate students:

Dr. Hatcher offers in 1910-11 and in each succeeding year the following courses:

The Epic.

Three hours a week during the first semester.

The lectures discuss the origins and significance of epic poetry, include some mention of oriental and early Teutonic epic literature, and relate the artistic form of the epic

studied to the critical theories of Aristotle, and those of the Italian Renaissance. The required reading includes the *Iliad*, the *Odyssey* and the *Aeneid*, the greater Renaissance epics, *Orlando Furioso*, *Jerusalem Delivered* and *The Fairie Queene*; and *Paradise Lost*.

The Pastoral.

Three hours a week during the second semester.

The course deals with the best literature associated with the pastoral tradition. The lectures supplement the range of the required reading, and trace the pastoral idea from its rise in the *Idylls* of Theocritus through the later classical eclogue and pastoral romance into the Renaissance types of eclogue, pastoral lyric, novel and drama. The reading will include the *Idylls* of Theocritus, Bion and Moschus, *Daphnis and Chloe*, Tasso's *Aminta*, Sidney's *Arcadia*, Lodge's *Rosalind*, Spenser's *Shepherd's Calendar*, Fletcher's *Faithful Shepherdess*, Jonson's *Sad Shepherd*, etc.

Dr. Hatcher offers in 1911-12 and in each succeeding year the following courses:

The Sonnet and Minor Lyric Forms.

Three hours a week during the first semester.

The lectures trace the rise of modern lyric poetry among the Troubadours and the spread of Provençal and other early Romance lyric forms from Italy, France, and Spain into England. The development of the sonnet form is emphasised and the English sonnet studied from its beginnings down to the present time with special reference to the sonnets of Sidney, Spenser, Shakespeare, Milton, Wordsworth, and Rossetti. The reading includes *Ballades and Rondeaux*, Scott's translations; *Ballads and Lyrics of Old France*, Andrew Lang's translations; Rossetti's *Early Italian Poets*, Petrarch's *Sonnets*, Bullen's *Elizabethan Lyrics*, Sidney Lee's *Elizabethan Sonnets*, etc. Previous study of Latin and French is assumed.

The Drama.

Three hours a week during the second semester.

The object of the course is to suggest the many forms in which the human instinct for dramatic expression has manifested itself in different countries and periods, and to acquaint the student with the more significant of these forms in their historical order. The lectures inquire into the nature of the dramatic essence underlying all these forms, and attempt some comparison of the dramatic ideals and canons of the classical period with those of the Renaissance and with those of our own time. A few representative types of drama are studied in plays selected from different literatures and periods.

Dr. Upham offers in 1910-11 the following course:

Neo-classicism in France and England. *Two hours a week throughout the year.*

This course is concerned with the influence exercised by French critical theory and literary practise upon the literature of England from the Restoration to the death of Pope (1744). The lectures consider the rise of Deism and the enthronement of reason and good taste, the conflict of the Ancients and Moderns, the vogue of satire and didacticism, and the application of theory to the various literary types. Careful outside reading is required.

Miss King offers in 1911-12 and again in 1913-14 the following course:

The Culture of the Renaissance.

Two hours a week throughout the year.

The study of the literature of the Italian Renaissance begins with an examination of its ideals of education and character, and, after a short excursus on the influence of the other arts upon literature between 1300 and 1600, indicates the chief differences which appeared as the movement reached its culmination in France and England and the standards of taste and ideals of life which it finally imposed. The class studies in connection with this the chief types of literary form as they took shape in Italy and were adopted and altered elsewhere.

Miss King offers in 1912-13 the following course:

The Continental Developments of Romanticism in the Nineteenth Century.

Two hours a week throughout the year.

The course deals with the rise and growth of the ideals of revolution in continental literature from the birth of Byron to the death of Swinburne. The literature of revolt is studied with special attention to the drama and, in poetry as well as in the novel, to the successive phases of early romanticism, mid-century realism, and the new return to romanticism.

SEMITIC LANGUAGES AND BIBLICAL LITERATURE.

The instruction in this department is under the direction of Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages.

The college was particularly fortunate in securing in the year 1892 the library of the late M. Arthur Amiaud, of Paris. While M. Amiaud was especially eminent as an Assyriologist, he was also prominent as a general Semitic student. His library was the collection of an active scholar, and forms a working library for the student in every department of Semitic study. It is especially rich in the Hebrew, Syriac, and Assyrian languages, containing several works, indispensable to the student, which are now out of print. Another Semitic library containing many works on the Talmud and on Jewish literature was acquired in 1904. Mr. Albert J. Edmunds presented to the college in 1907 his library of 200 volumes on the history of religion. The contents of these libraries, together with the books already owned by the college and those easily accessible in neighboring libraries form an exceptionally good collection of material for the specialist in Semitic languages. A good working collection of cuneiform tablets is under the control of the department, and affords an excellent opportunity for students of Assyrian to become familiar with original documents.

GRADUATE COURSES.

The graduate courses in Semitic languages are varied from year to year, as indicated below, so that they may be pursued by a student for four successive years. Those who offer Semitic languages as the major subject in the examination for the degree of Doctor of Philosophy are required to spend in Semitic work half their time for at least three years.

The work of the department is so arranged that students may specialise in Hebrew or Assyrian. Students who offer Hebrew or Assyrian as the major subject in the examination for the degree of Doctor of Philosophy

must possess a knowledge of the grammatical forms of five Semitic languages and in this enumeration Syriac and Jewish Aramaic may not count as separate languages. Students that offer Semitic languages as the minor subject in the examination for the degree of Doctor of Philosophy must show that they have a knowledge of three Semitic languages.

The regular alternation of courses is indicated below and at least five hours a week will be given in each year, the courses being selected according to the needs of the graduate students. Graduate students may enter in any year of the four years' course, as there will be afforded each year an opportunity for graduate students to begin Hebrew.

No undergraduates are admitted to graduate courses.

Dr. Barton offers in 1910-11 and again in 1911-12 the following graduate courses:

Semitic Seminary.

Two hours a week throughout the year.

This seminary is devoted to Hebrew or Assyrian, the languages that may be offered as major subjects for the doctor's degree. The time may be devoted to one of these languages, or may be divided between the two, according to the needs of the students. In Assyrian the subject may be chosen from one of the following: the oldest Babylonian inscriptions, temple archives of Telloh, Sumerian hymns, the code of Hammurabi, or mythological poetry. In Hebrew, one of the following subjects may be selected: Job, the Psalter, Isaiah, Jeremiah, Ecclesiastes and the Song of Songs, or Hebrew Epigraphy. In the Hebrew seminary the students are trained in textual criticism through the use of the ancient versions.

Elementary Semitic Languages.

Two hours a week throughout the year.

This course may be devoted to the elements of Hebrew, or of Aramaic (Syriac and Jewish Aramaic), or Assyrian, or Arabic according to the needs of the students. The time may, if necessary, be divided between two of these languages.

Hebrew, The Prophets.

One hour a week throughout the year.

The text of one or more of the Prophets is critically interpreted, and Hebrew syntax and composition are studied.

Hebrew Literature.

Two hours a week throughout the year.

This course is devoted to a study of the Prophets, the Pentateuch, and the historical books of the Old Testament.

Ethiopic.

One hour a week throughout the year.

The grammar and *Chrestomathia* of Praetorius and Dillmann are used, and in the latter part of the course selections are read from the book of Enoch.

Seminary in New Testament Greek.

One hour a week throughout the year.

A thorough study is made of some book of the New Testament, and the students are guided in critical studies, both textual and historical.

Dr. Barton offers in 1912-13 the following graduate courses:

Semitic Seminary.

Two hours a week throughout the year.

The work of the seminary is continued as given in 1910-11.

Seminary in Aramaic and Arabic.

Two hours a week throughout the year.

This seminary is devoted to Arabic or Aramaic, the languages that may be offered as minor subjects for the doctor's degree. The time may be devoted to one of the

languages, or may be divided between the two, according to the needs of the students. In Arabic the subject may be chosen from one of the following: the Coran, pre-Islamic poetry, Arabic geographers, or South Arabic inscriptions. In Aramaic, one of the following subjects may be selected: a comparative study of the Syriac Versions of the Gospels, the Syriac Version of one of the Old Testament books, the writings of Gregory Bar Hebraeus, or of Efraem, the Targum on one of the Old Testament books, the Talmud, or Aramaic inscriptions.

Comparative Semitic Grammar.

One hour a week throughout the year.

The grammar of Brockelmann is used as a basis with comparisons from the Egyptian and other Hamitic languages.

Egyptian.

One hour a week throughout the year.

The elements of Egyptian and Coptic grammar are taught, and some texts in each language interpreted.

FREE ELECTIVE COURSES.

The courses in Biblical Literature and Oriental History are intended primarily for undergraduate students, but may be elected by graduate students also.

Dr. Barton offers in 1910-11 and again in 1912-13 the following free elective courses in Biblical literature:

History of Christian Doctrine.

Two hours a week throughout the year.

In the first semester Christianity is studied as presented by its Founder and by the apostles, and in the second semester the history of Christian doctrine from 100 A.D. to the present time is briefly reviewed, and problems presented by modern thought are touched upon.

History of the New Testament Canon. *One hour a week throughout the year.*

This course consists of a study of the New Testament, similar in its methods and aims to the course on the Old Testament Canon.

Dr. Barton offers in 1911-12 and again in 1913-14 the following free elective courses in Biblical literature:

New Testament Biography.

Two hours a week throughout the year.

The first semester of this course is devoted to a careful study of the life and teaching of Christ; the second semester to the life and teaching of St. Paul. The Gospels and Epistles are read, together with the most helpful of the modern works on these topics. The course is illustrated by photographs of the most important places connected with the lives of Christ and St. Paul.

History of the Old Testament Canon.

One hour a week throughout the year.

In this course the history of the composition and collection of the books of the Old Testament is studied. The instruction is given in lectures, and reading is assigned in the Old Testament and in modern literature concerning it.

Dr. Barton offers in each year the following free elective course:

Oriental History.

Five hours a week throughout the year.

This course treats in broad outlines the history and civilisation of the Classical Orient. The beginnings of the Hamito-Semitic race, and the influence of environment upon its primitive institutions are first studied. The separation of the races into the different

nations is then traced, and the history of the principal Oriental nations, Egyptians, Babylonians, Assyrians, Phœnicians, Hebrews, Hittites, Sabæans, and Persians; of Alexander and his successors; of the Parthians, and the oriental empire of the Romans, is followed in outline. Special attention is paid to the history of the Hebrews, and to their unique religious contribution to the civilisation of the world. The course concludes with a study of the Arabic caliphates, and of Mohammedan civilisation. The lectures are illustrated by archaeological specimens and by photographs. Either semester may be elected separately.

Dr. Barton offers in each year, when the time of the department permits, the following free elective courses:

Biblical Geography and Archaeology. *Two hours a week throughout the year.*

The course begins with a survey of the physical features of Palestine and an estimate of their effect upon its civilisation. The succession of races dominant in Palestine since the beginning of history is then reviewed, after which the positions of the places important in the Biblical narratives are carefully noted. The principal Biblical narratives are studied in connection with the geography of the country and the archaeological remains of the period. In this way the narratives of the Patriarchs, Kings, Prophets, and Apostles, as well as the life of Christ, are illustrated. The course is illustrated by photographs. Use is made throughout the course of the publications of the Palestine Exploration Fund, and of other modern explorers.

New Testament Greek. *Two hours a week throughout the year.*

This course presupposes a knowledge of classical Greek. After some introductory lectures on the formation and peculiarities of the New Testament Greek, one hour a week during the first semester is devoted to lectures on the history of the New Testament text, both in its written and in its printed form, the helps extant for emending it, and the method of using them. The remainder of the time is devoted to the interpretation of the New Testament Epistles, especially those of Paul. The students are expected to read privately during the first semester the text of one of the Gospels, and during the second, either the *Acts of the Apostles*, the *Apocalypse*, or the *Epistle to the Hebrews*.

Dr. Barton offers in 1910-11 the following course:

Elementary Arabic. *Two hours a week during the first semester.*

History.

The instruction in this department is under the direction of Dr. William Roy Smith,* Associate Professor of History, Dr. Edward Raymond Turner, Associate in History, and Dr. Paul Leland Haworth, Lecturer in History.

GRADUATE COURSES.

Two distinct seminary courses in English history and in American history are offered to graduate students in history in addition to a course in Historical Method and Criticism and the direction of private reading and original research.

No undergraduates are admitted to graduate courses.

*Granted leave of absence for the year 1910-11. The courses offered by Dr. Smith are given by Dr. Haworth during this year.

Dr. Smith* conducts in each year the following graduate seminary:

Seminary in American History.

Three hours a week throughout the year.

In 1910-11 the American colonies in the seventeenth and eighteenth centuries will be the subject of the seminary. The political, constitutional, and social problems of the colonies in the seventeenth century will be studied in the first semester. In the second semester, special stress is laid upon the development in the eighteenth century of the imperial administrative machinery and upon the ethnical distribution of population in the colonies.

In 1911-12 the subject of the seminary will be slavery and the negro problem. After a preliminary survey of the history of slavery in the colonial period such topics as the slavery compromises of the constitution, the growth of slavery in the South, the abolition of the slave trade, the Missouri Compromise, the anti-Slavery movement, nullification, the Mexican War, the Wilmot Proviso, the compromise measures of 1850, the Kansas-Nebraska bill, the Dred Scott decision, the abolition of slavery, and the adoption of the thirteenth, fourteenth, and fifteenth amendments are discussed. Special attention is paid to the conflict between sectionalism and nationalism and to the connection between slavery, territorial expansion, and the development of constitutional theories.

In 1912-13 the revolution, the confederation and the constitution are the subjects of study. American history from 1776 to 1789 is discussed primarily from the local point of view as a step in the conflict between the seaboard aristocracy and the democracy of the frontier. The social and economic forces which led to the adoption of the Federal Constitution and the subsequent formation of national political parties are investigated.

Dr. Turner conducts in each year the following graduate seminary:

Seminary in English and European History.

Three hours a week throughout the year.

In 1910-11 the subject of the seminary is *English Institutions, 1066-1307*. The contemporary chronicles are used, many charters and statutes are studied, and the *Dialogus de Scaccario* is read critically. The seminary is devoted particularly to the study of organisation and development.

In 1911-12 the subject is the *French Revolution*. A large amount of source material for the period 1789-1815 has been brought together in the library, and is used for the study of particular problems. In general the seminary is devoted less to the causes of the Revolution and to the destruction wrought by it, than to the great principles enounced and the reforms then begun.

In 1912-13 the subject is the *Reformation*. Special attention is given to the study of the political doctrines taught by the reformers or developed from their religious teachings, doctrines which later on became the fundamental principles of modern democracy.

Dr. Turner offers in each year the following graduate course:

Historical Method and Criticism.

Two hours once a fortnight throughout the year.

The questions dealt with in this course are the scope of historical work and its relations to allied subjects; the outlines of historical bibliography; the great collections of printed material; archives and MSS.; editing, criticism, and evidence.

* See footnote page 95.

Dr. Smith* and Dr. Turner conduct in each year the historical journal club.

Historical Journal Club.

Two hours once a fortnight throughout the year.

The instructors in the department of history and the graduate students who are pursuing advanced courses in history meet once a fortnight to make reports upon assigned topics, review recent articles and books, and present the results of special investigations.

POST-MAJOR COURSES.

Dr. Smith* offers in 1910-11 and again in 1912-13 the following post-major course, open to graduate students:

American Constitutional History, from 1789 to the present time.

Three hours a week throughout the year.

The lectures deal with the leading aspects of the political, constitutional, and economic history of the United States from the ratification of the constitution to the present time. The text-books used are MacDonald's *Select Documents of the History of the United States* and *Select Statutes of United States History*, but frequent additional references are given to the leading secondary authorities. To a limited extent use will be made of such documents as are available in the library, and special topics will be assigned for discussion and report.

Dr. Smith offers in 1911-12 and again in 1913-14 the following post-major course, open to graduate students:

American Constitutional History to 1789.

Three hours a week throughout the year.

The text-books used in the course are MacDonald's *Select Charters of American History* and *Select Documents of the History of the United States*. The members of the class are also systematically referred, not only to the general authorities, but also to colonial charters and constitutions, the records of the colonial governments as far as they are available, the journals of Congress, and other documentary materials.

Dr. Turner offers in 1910-11 and again in 1912-13 the following post-major course, open to graduate students:

English Constitutional History to 1603.

Two hours a week throughout the year.

This course deals with Anglo-Saxon institutions, the changes wrought by the Conquest, Norman organisation, the reforms of Henry II., Magna Charta, the development of parliament, the great laws of Edward I., the rise of the commons, the supremacy of parliament under the Lancastrians, the growth of the king's council, and the supremacy of royal power and prerogative under the Tudors.

Dr. Turner offers in 1911-12 and again in 1913-14 the following post-major course:

English Constitutional History since 1603.

Two hours a week throughout the year.

The course deals with the reaction under the Stuarts, the legislation of 1641, the great constitutional experiments of the Commonwealth and Protectorate, the Restoration

* See footnote page 95.

period, the revolution of 1688 and the final victory of parliament, the development of the party system and of cabinet government, the reform period, and recent legislation.

The object of both of these courses is not only to give an accurate idea of English constitutional development, but to make possible a better comprehension of government both in England and America at present.

Economics and Politics.

The instruction in this department is under the direction of Dr. Charles Clarence Williamson, Associate in Economics and Politics, and Dr. Marion Parris, Associate in Economics and Politics.

GRADUATE COURSES.

In addition to the post-major courses, which may be elected by graduate students, six hours of graduate lectures and seminary work are offered in each year.

No undergraduates are admitted to graduate courses.

Dr. Williamson offers in each year the following graduate seminary:

Economic Seminary.

Three hours a week throughout the year.

In 1910-11 labor problems are studied in the seminary. The rise of the problems is traced, the history and functions of labor organisations are discussed and considerable attention is paid to the principles of labor legislation.

In 1911-12 various important social and economic problems caused by the growth of monopolies will be studied. The aim is to develop general principles upon which a democratic state should proceed in an effort to subject its railroads, trusts, and other more or less non-competitive industries to a wise social control.

In 1912-13 the seminary will make a study of the history and theories of socialism, the purpose being to trace the origin and development of current socialistic doctrines and movements and to examine carefully the arguments for and against socialism in order to reach some conclusion as to the possibility or practicability of making socialistic theories a basis for economic and social reforms.

Dr. Parris offers in each year the following graduate seminary:

Economic Seminary.

Two hours a week throughout the year.

In 1910-11 the modern German theory of value is the subject of the seminary. The main object of the seminary is to define certain psychological and philosophical positions. The works of Ehrenfels, Meinong, Kraus, Kreibitz, and Chuel are studied and criticised.

In 1911-12 the theories of capital and interest of modern German, Italian, and American economists will be studied and critically compared.

In 1912-13 the subject of the seminary is a critical study of modern theories of value. A short historical introduction serves as a review of the principal economic theories of value in the English and German schools.

Dr. Williamson and Dr. Parris conduct in each year the economic journal club.

Economic Journal Club.

Two hours once a fortnight throughout the year.

At the meetings recent books and articles are reviewed and the results of special investigations presented for discussion, comment, and criticism.

POST-MAJOR COURSES.

Dr. Williamson offers in 1910-11 and again in 1912-13 the following post-major course, open to graduate students:

Public Economy.

Two hours a week throughout the year.

This course begins with a discussion of the nature of the public economy and its relation to private economics. An examination of theories of the economic activity of the modern state is followed by a discussion of public expenditure, its objects, its growth in modern democratic societies, and its social and industrial effects. Problems of public health, care of the dependent classes, the economic burden of war and the preparation for war, state forestry and the general problem of the conservation of natural resources, are discussed in this connection. The tax system in American states and cities, together with the general principles of taxation, are discussed fully. Attention is also called to the nature and significance of the non-tax revenues. The course concludes with a brief study of state and local budgets and public debts.

Dr. Williamson offers in 1911-12 and again in 1913-14 the following post-major course, open to graduate students:

Industrial Problems.

Three hours a week throughout the year.

The lectures of this course deal with certain economic problems which involve political action. Among the more important subjects taken up are the following: problems of money and banking; the commercial policy of the principal countries, with special reference to the tariff situation in the United States; the rise of the transportation problem and a comparison of the methods of government control in use in various countries; industrial combinations, their development and their relation to the state. Typical combinations are studied and the results of anti-trust legislation examined. The aim is to put before the student the significant facts of our commercial and industrial development, accompanied by an economic analysis of the problems created and a discussion of the political factors to be reckoned with in their solution.

Dr. Parris offers in 1910-11 and again in 1912-13 the following post-major course, open to graduate students:

Utilitarian Theory in Economics.

Three hours a week throughout the year.

The object of this course is to study the influence of utilitarian ethical theory in shaping the thought of the English classical school. Hume, Paley, Bentham, Adam Smith, James Mill, Ricardo, Malthus and J. S. Mill are read critically. The lectures are supplemented by written reports on specially assigned reading and by oral and written quizzes.

Dr. Parris offers in 1911-12 and again in 1913-14 the following post-major course, open to graduate students:

Sociology and the Social Institutions. *Two hours a week throughout the year.*

This course is designed to introduce the students to the problems of modern sociology. The first semester's work will be a review of the literature of sociology. The students will read selections from the works of Comte, Spencer, Giddings, Ratzel, Hofstadter, Small, and others. In the second semester the genesis and history of the social institutions will be studied; the family, church, state, the institution of private property, corrective and preventive institutions, etc. The lectures are supplemented by written reports and specially assigned reading, and by written and oral quizzes.

FREE ELECTIVE COURSES.

Dr. Williamson offers in 1910-11 the following free elective course, open to graduate students:

Municipal Problems.

Two hours a week throughout the year.

This course consists of a general survey of the more important social, political, and economic problems of American cities. The chief topics treated are, the growth of urban population with its economic and political results, political parties in municipal government, civil service reform, the municipal functions such as police and fire protection, police courts, sanitation and public health, education, institutions of public charity and correction, playgrounds, parks, city planning, and the liquor traffic. The policy of municipal ownership of public utilities is examined in its various aspects. The course is open only to those students who have attended the minor course in economics and politics.

Dr. Parris offers in 1911-12 and again in 1913-14 the following free elective course, open to graduate students:

Methods of Social Research.

Two hours a week throughout the year.

The course begins with a brief account of modern institutions for social research and social reform. Various methods of social research will then be studied and reports required on special problems in social statistics, and the collection and graphical representation of material. Booth's *Life and Labour in London*, Bailey's *Modern Social Conditions* and Henderson's *Modern Methods of Charity* will be used as text-books. The course is open only to those students who have attended the minor course in economics and politics.

Philosophy.

The instruction in this department is under the direction of Dr. Theodore de Leo de Laguna, Professor of Philosophy, Dr. James H. Leuba, Professor of Psychology and Education and Director of the Psychological Laboratory, Dr. M. Phillips Mason, Associate in Philosophy, Dr. Clarence Errol Ferree, Associate in Psychology, and Miss Marion Reilly, Dean of the College and Reader in Philosophy.

GRADUATE COURSES.

In addition to the post-major courses, which may be elected by graduate students, ten hours of graduate lectures and seminary work are offered in each year. The laboratory of experimental psychology is open to graduate students for research work.

No undergraduates are admitted to graduate courses.

Dr. de Laguna conducts in each year the following graduate seminary:

Ethical Seminary.

Three hours a week throughout the year.

The subject of the seminary is either a study of one of the chief problems of ethics or a critical examination of some important movement of thought.

In 1910-11 the subject is English evolutionary ethics, as exemplified in the writings of Darwin, Clifford, Spencer, Stephen, Alexander, and Hobhouse, and as criticised by Green, Sorley, Huxley, and Pringle-Pattison. Special attention is given to the problem of determining the nature and limitations of the genetic method as applied in ethical research.

In 1911-12 the subject of the seminary will be the ethics of Plato. The dialogues in which moral questions are prominently discussed are read in approximately chronological order; and the development of Plato's ethics is studied in the light of its interrelations with his theories of knowledge and of reality.

In 1912-13 Hume and his contemporaries will be studied. A brief preliminary survey is made of the course of English ethical thought from Hobbes to Shaftesbury. This is followed by a more careful examination of selected writings of Mandeville, Butler, and Hutcheson, with a view to tracing their probable influence upon Hume. Finally, the principal task of the year is a comparative study of the ethical doctrines of Hume's *Treatise on Human Nature* and *Enquiry into the Principles of Morals*, with incidental reference to Hartley and Adam Smith.

Dr. Mason conducts in each year the following graduate seminary:

Metaphysical Seminary.

Two hours a week throughout the year.

The subject of the seminary is usually an examination of one of the more important metaphysical theories of recent times. The chief object of the inquiry is to indicate the fundamental postulates and tacit agreements of contemporary philosophical thought.

In 1910-11 the subject of the seminary is the theory of knowledge. The general nature of knowledge, its structure and its relation to the mind, are studied. An attempt is made to develop the criteria of truth and to show what bearing these criteria have on experience. The work centres in a study of Kant's *Critique of Pure Reason*.

In 1911-12 the subject of the seminary will be the relation of knowledge to natural science and to the normative sciences. The fundamental postulates of the world of facts and the world of values are studied critically, and special attention is given to the logical basis of psychology. Pearson's *Grammar of Science* is used as the foundation of the work.

In 1912-13 the subject of the seminary will be the relation of knowledge to being. Various ontological systems are studied with a view to determining the limits of knowledge and the ultimate nature of reality. Bradley's *Appearance and Reality* is used as the foundation of the work.

Miss Reilly conducts in 1910-11 the following graduate course:

Problems in Logic.

Two hours a week throughout the year.

This course is conducted according to the seminary method.

Dr. de Laguna and Dr. Mason conduct in each year the journal club.

Philosophical Journal Club.

Two hours once a fortnight throughout the year.

The advanced students and the instructors meet to report on and discuss recent reviews and critical articles.

Dr. Leuba offers in each year the following graduate seminary:

Psychological Seminary.

Two hours a week throughout the year.

As the foundation of the work of the seminary one or two of the following subjects will be chosen each year: feeling and emotion; attention, apperception, the will; the psychology of religion and of ethics; language, myths, customs; psychology of the beautiful; psychiatry and criminology; animal and child psychology.

Dr. Ferree offers in each year the following graduate course:

Systematic Psychology.

Three hours a week throughout the year.

This course is intended, primarily, to give a systematic presentation of the literature of experimental psychology. Due consideration, however, will be given to all points of systematic importance. The work is grouped about the following topics: sensation, the simpler sense complexes, perception and ideas, feeling and the affective processes, attention, action, and the intellectual processes (memory, association, imagination, etc.). The course covers three years; but the topics chosen and the time devoted to each vary from year to year according to the needs of the students.

Dr. Leuba and Dr. Ferree together conduct in each year the journal club and the laboratory work.

Psychological Journal Club.

One hour a week throughout the year.

The advanced students meet with the instructors once a week to hear or read reports on the literature of the subject and on the work done in the laboratory.

Psychological Laboratory Work.

The laboratory work consists of individual practice and research.

FREE ELECTIVE COURSE.

Dr. de Laguna offers in 1910-11 and again in 1912-13 the following free elective course, open to graduate students:

Theory of Pragmatism.

One hour a week throughout the year.

A brief introduction gives a sketch of the Darwinian theory of evolution and of its application to functional psychology. The greater part of the second semester is devoted to class discussion of Professor James's book on *Pragmatism*.

Dr. de Laguna offers in 1911-12 and again in 1913-14 the following free elective course, open to graduate students:

Rousseau's Social Philosophy.

One hour a week throughout the year.

In this course Rousseau's theories of art, politics, and religion are discussed.

Dr. Mason offers in each year the following free elective courses, open to graduate students:

Elementary Logic.

One hour a week during the first semester.

This course is an introduction to deductive and inductive logic, including the theories of definition, classification, the transformation of judgments, the canons of the syllogism, the formation of concepts, the general methods of observation and experiment, analogy, and the use of hypotheses.

The Philosophy of Nature.

One hour a week during the second semester.

This course is an introduction to the study of the fundamental postulates of natural science. Such problems as the following will be discussed: The value of mathematical principles in natural science, the necessity of time and space as fundamental principles, the meaning of induction, the relation of the inorganic world to the organic, the relation of psychology to natural science, and finally the place of natural science in the world of knowledge and its relation to ethics and aesthetics.

POST-MAJOR COURSES.

Dr. Mason offers in each year the following post-major courses, open to graduate students:

Types of Metaphysical Theory. *Three hours a week throughout the year.*

Each semester is devoted to the examination of some important type of metaphysical theory. After the historical development of the theory under investigation has been traced, its implications and relationships are examined and criticised. The particular subjects selected vary from year to year.

Studies in the Theory of Knowledge. *Two hours a week throughout the year.*

Typical theories of knowledge, both idealistic and empirical, are examined. The discussion centres around the nature of truth, and an attempt is made to show how it is related to the mind and to the empirical world.

Dr. Leuba and Dr. Ferree offer in each year the following post-major course, open to graduate students:

Advanced Experimental Psychology. *Three hours a week throughout the year.*

The object of this course is to provide the preparation in laboratory work necessary for graduate work in psychology. The course consists of one lecture a week given by Dr. Ferree and five hours of laboratory work, in qualitative and quantitative psychology, conducted by Dr. Leuba and Dr. Ferree.

Education.

The instruction in this department is under the direction of Dr. James H. Leuba, Professor of Psychology and Education, and Director of the Psychological Laboratory. The instruction offered covers five hours of lectures a week, in addition to the time devoted to the seminary; it includes two hours a week of free elective work, and three hours a week of graduate work.

It is the purpose of the department to offer to students intending to become teachers an opportunity to obtain a technical preparation sufficient for their profession. Hitherto practical training has been thought necessary for teachers of primary schools only, but similar training is very desirable for teachers in high schools and colleges also. Indeed, it is already becoming increasingly difficult for college graduates without practical and theoretical pedagogical knowledge to secure good positions. In addition to the lectures open to undergraduates, courses will be organised for graduate students only conducted with special reference to preparation for the headship and superintendence of schools. Education cannot be studied to the best advantage unless an acquaintance with at least the rudiments of psychology

is presupposed. The elementary experimental course in psychology is therefore earnestly recommended to all students of education.

GRADUATE COURSES.

Graduate students are recommended to follow the work offered in the undergraduate course mentioned below.

No undergraduates are admitted to graduate courses.

Dr. Leuba offers in each year the following graduate courses:

The Psychology of Mental and Bodily Growth with reference to Education.

One hour a week throughout the year.

A knowledge of elementary psychology is assumed in this course.

Lectures upon school-hygiene; physical training; organisation of education in the United States and in Europe; the training of teachers, etc.

Two hours a week throughout the year.

FREE ELECTIVE COURSE.

Dr. Leuba offers in each year the following free elective course, open to graduate students:

Education.

Two hours a week throughout the year.

This course deals with the great educators and their systems considered with reference to modern educational methods and the problems of to-day.

History of Art and Classical Archæology.

The instruction in this department is under the direction of Miss Georgiana Goddard King, Reader in English and Lecturer in Art, Mr. C. Leonard Woolley, Non-resident Lecturer in Egyptian Art, and Miss Lily Ross Taylor, Reader and Demonstrator in the History of Art and Classical Archæology, and an instructor whose appointment will be announced later.

An archæological seminary of two hours a week throughout the year is offered to graduate students who have done elementary archæological work, and also a journal club meeting one and a half hours a fortnight.

The undergraduate work is divided into courses of three hours a week, and two hours a week, and these change from year to year so that every student has an opportunity, during the course of four years, of taking each undergraduate course offered in the department.

In addition to the graduate courses announced, other courses will be provided as need for them arises, and individual students will be directed in special work by means of private conferences.

GRADUATE COURSES.

Two courses are offered to graduate students in addition to the elective courses which are open also to undergraduate students. A reading knowledge of French and German is indispensable for graduate work in art and archæology.

No undergraduates are admitted to graduate courses.

The following graduate seminary will be offered in each year:

Archæological Seminary.

Two hours a week throughout the year.

This course is open only to graduate students who have had some previous training in classical archæology. The order of the subjects may be changed in accordance with the needs of the students.

In 1911-12 the subjects of the seminary are Cretan antiquities in the first semester and Greek and Roman pottery in the second semester.

In 1912-13 Greek and Roman coins will be studied in the first semester and Greek and Roman sculpture will be the subject of the seminary in the second semester.

In 1913-14 Roman architecture and topography will be the subjects of the seminary in the first semester and Greek vases of the fifth century are studied in the second semester.

The journal club is conducted in each year by the instructors in the department:

Archæological Journal Club. *One and a half hours a fortnight throughout the year.*

The graduate students and the instructors meet for the presentation and discussion of topics of current archæological literature.

The following advanced undergraduate courses may be attended by graduate students.

Miss King offers in 1910-11 the following course, open to graduate students:

Gothic Architecture.

Two hours a week throughout the year.

The first semester is devoted to Romanesque and pointed architecture in Italy and Germany, with special attention to the introduction of Gothic into Italy by the Cistercians, and the second semester to the development of Gothic in France and Spain with parallels from English ecclesiastical architecture.

Miss King offers in 1911-12 the following courses, open to graduate students:

Italian Renaissance Painting from the Middle of the Thirteenth to the Middle of the Sixteenth Century.

Three hours a week throughout the year.

In the first semester the Italian Primitives are studied, chiefly in the schools of Florence, Siena, and Umbria; in the second semester the painters of the High Renaissance, with special attention to those of Venice and the north of Italy.

Renaissance Sculpture

Two hours a week throughout the year.

The first semester is devoted to the sculpture of the Italian Renaissance, the second chiefly to Northern art, and in especial to figure sculpture in France from the building of the Cathedral to the close of the Renaissance. The great sculptors of Germany and Spain will also be noticed.

Miss King offers in 1912-13 the following courses open to graduate students:

Painting in the Seventeenth and Eighteenth Centuries.

Two hours a week throughout the year.

In the first semester the Dutch and Flemish painters will be studied, in the second semester the French, Spanish and English. The course will begin with a short consideration of the Primitives in France and the Low Countries and with the earlier English schools of landscape and portrait painting.

Gothic Architecture.

Three hours a week throughout the year.

This course will be similar to that given in 1910-11.

Mr. Woolley offers in 1910-11 the following free elective course open to graduate students:

Egyptian Art.

One hour a week during the first semester.

The architecture, sculpture, pottery, and other material remains of ancient Egypt are considered beginning with the prehistoric period and continuing to the time of the Roman supremacy in Egypt. Special attention is given to subjects bearing on the art of Greece. The lectures are illustrated with lantern slides.

Miss Taylor offers in 1910-11 the following free elective courses, open to graduate students:

Greek and Roman Sculpture.

Three hours a week throughout the year.

The course consists of a study of the development of Greek sculpture from its beginning to the end of the Hellenistic period. The last six weeks of the second semester are devoted to a survey of Roman Sculpture.

Pompeian Life and Art.

One hour a week during the second semester

The course deals chiefly with wall painting and with the importance of Pompeii in the study of Roman private life.

In 1911-12 the following course, open to graduate students, will be offered by an instructor whose appointment will be announced later.

Introduction to Classical Archæology.

Three hours a week throughout the year.

Greek and Roman architecture, coins, small bronzes, and terra-cottas are studied in the first semester and Greek and Roman sculpture in the second semester. The work of the two semesters may be elected separately. The course is illustrated with lantern slides.

In 1912-13 the following course, open to graduate students, will be offered by an instructor whose appointment will be announced later:

Ancient Painting.

Three hours a week throughout the year.

This course is concerned chiefly with vases and with Pompeian wall-paintings. A good collection of original material for the illustration of Greek vases is in the possession of the department. The course is illustrated with lantern slides.

Mathematics.

The instruction in this department is under the direction of Dr. Charlotte Angas Scott, Professor of Mathematics, and Mr. Harry Bateman, Lecturer in Mathematics.

GRADUATE COURSES.

The graduate courses consist of lectures and seminary work, supplemented by private reading under the direction of the instructors, the courses being arranged each year with reference to the wishes and degree of preparation of the students concerned.

No undergraduates are admitted to graduate courses.

Dr. Scott offers in 1910-11 the following graduate course:

Theory of Surfaces.

Two hours a week throughout the year.

In this course a general knowledge of plane algebraic curves and the elements of solid analytical geometry is presupposed. During the first semester the simpler properties of non-singular surfaces and projective properties of curves and developables are taken up; the classification of curves, the properties of ruled surfaces, and singularities of surfaces in general are treated in the second semester.

Dr. Scott offers in 1911-12 the following graduate course:

Plane Algebraic Curves.

Two hours a week throughout the year.

The course deals with the general theory of plane algebraic curves, with special attention to topological investigations.

Dr. Scott offers in 1912-13 the following graduate course:

Theory of Algebraic Invariants.

Two hours a week throughout the year.

Mr. Bateman offers in 1910-11 the following graduate course:

Elliptic Functions.

Two hours a week throughout the year.

The properties of Weierstrass's functions are deduced from the definition of $\sigma(u)$ as a doubly infinite product. The transformation of elliptic integrals is then considered and the relations between the Jacobian and Weierstrassian elliptic functions deduced therefrom. The general properties of elliptic functions and of a number of allied functions are considered.

A large number of geometrical and dynamical problems are solved with the aid of elliptic functions and special attention is paid to curves of deficiency one. The transformation of elliptic functions and problems in conformal representation are discussed and some applications to differential and algebraic equations are considered.

Mr. Bateman offers in 1911-12 the following graduate course:

Theory of Functions.

Two hours a week throughout the year.

A knowledge of the elements of the theory is pre-supposed. The course will contain some account of the theory of functions of more than one independent variable and in particular will include a discussion of the properties of multiply periodic functions.

Mr. Bateman offers in 1912-13 the following graduate course:

Linear Differential Equations.

Two hours a week throughout the year.

This course consists of a discussion of the general theory of these equations, particular attention being paid to those of the second order. A detailed account is given of those equations whose singular points are regular. The expression of the variables as uniform functions of a parameter is dealt with and in this connection the elementary properties of automorphic functions are given. Solution by means of definite integrals and equations of the type which arise in connection with mathematical physics are discussed.

Dr. Scott and Mr. Bateman together conduct the journal club.

Mathematical Journal Club.

One hour a fortnight throughout the year.

The journal club holds fortnightly meetings at which reports on special topics or memoirs are presented by the instructors and the graduate students.

POST-MAJOR COURSES.

The post-major courses in mathematics are designed to bridge over the interval between the ordinary undergraduate studies and advanced work. They deal, therefore, with the subjects of the major course, carried to higher developments and treated by higher methods. As the order of mathematical studies differs in different colleges, graduate students frequently find it advisable to devote a part of their time to these courses. Regular written work is expected from all mathematical students, and a reading knowledge of French and German is presupposed.

The post-major courses in any one year amount to four hours a week. The courses given are the following with occasional modifications:

I. (a.) Lectures Introductory to Modern Analytical Geometry, in connection with Salmon's *Conic Sections* and Scott's *Modern Analytical Geometry*.

or, I. (b.) Lectures on Modern Pure Geometry.

or, I. (c.) Lectures on Special Topics in Geometry, such as Homogeneous Coordinates, Circular Coordinates, Families of Curves, Certain Transcendental Curves, Geometrical Transformations, etc.

Special permission to take this course before completing the two years of the major course may be granted to students whose work in the major course has shown that they are able to profit by the lectures.

II. (a.) Lectures Introductory to Modern Algebra, in connection with Salmon's *Modern Higher Algebra*, and Elliott's *Algebra of Quantics*.

or, II. (b.) Lectures preparatory to the Theory of Functions, in connection with Harkness and Morley's *Introduction to the Theory of Analytic Functions* and Chrystal's *Algebra*, Vol. II.

or, II. (c.) Lectures on Differential Equations, ordinary and partial.

or, II. (d.) A general course in Analysis, dealing with the higher development of subjects only touched upon in the major course, such as Determinants, Fourier's Series, Infinite Series, Definite Integrals, etc.

In 1910-11 the following post-major courses are offered:

I. (c.) Dr. Scott.

Two hours a week throughout the year.

II. (b.) Mr. Bateman.

Two hours a week throughout the year.

In 1911-12 the following post-major courses are offered:

I. (a.) Dr. Scott.

Two hours a week throughout the year.

II. (d.) Mr. Bateman.

Two hours a week throughout the year.

In 1912-13 the following post-major courses are offered:

I. (b.) Dr. Scott.

Two hours a week throughout the year.

II. (c.) Mr. Bateman.

Two hours a week throughout the year.

FREE ELECTIVE COURSES.

Dr. Scott offers in 1910-11 and again in 1912-13 the following free elective course open to graduate students:

Fundamental Theorems of Algebra and Geometry.

One hour a week throughout the year.

This course is offered in alternate years. Certain standard problems of historical interest are considered in order to elucidate some of the fundamental principles of mathematics. Either semester may be taken separately. No knowledge of mathematics beyond the requirement for matriculation is presupposed. It is hoped that the work will prove useful to those intending to teach elementary mathematics.

Dr. Scott offers in 1911-12 and again in 1913-14 the following free elective course open to graduate students:

Graphical Mathematics.

One hour a week throughout the year.

The course deals with statistical work, probability, and theory of errors. It is recommended to students of economics as well as to students of physics. No knowledge of mathematics beyond the requirement for matriculation is presupposed.

Mr. Bateman offers in each year the following free elective course open to graduate students:

Mathematics Preparatory to Science. *Two hours a week throughout the year.*

This course deals chiefly with parts of the differential and integral calculus, trigonometry, analytical geometry and differential equations. Some problems in probability are also considered.

SCIENCE.

Physics, Chemistry, Geology, Biology.

Professors and instructors: Dr. Joseph W. Warren, Dr. Elmer P. Kohler, Dr. Florence Bascom, Dr. William B. Huff, Dr. David Hilt Tennent, Dr. Nettie Maria Stevens, Dr. James Barnes, Dr. Frederick Hutton Getman, Dr. Chester Albert Reeds, Dr. Harriet Randolph, Miss Gertrude Langden Heritage, and Miss Mabel Frehafer.

In January, 1893, the Trustees opened Dalton Hall, a large building, containing ample laboratories, lecture-rooms, research-rooms, special libraries, and professors' rooms for the work of the scientific departments. The chemical, geological, biological, and physical laboratories and the laboratory for experimental psychology are open for students from nine to six daily.

The chemical department includes a lecture-room, a large laboratory for the first-year students, and several smaller ones for advanced and special work, a special room for physical chemistry, preparation and balance rooms, and a chemical library. The supply of apparatus and chemicals has been carefully selected for the purpose of instruction and research, and is increasing from year to year. The chemical library contains, besides necessary treatises and reference books, complete sets of the most important chemical journals.

The biological laboratories are equipped with the best (Zeiss) microscopes, microtomes, etc., and are supplied with apparatus for the study of experimental physiology.

The physical laboratories are carefully furnished with the apparatus necessary for thorough work.

Graduate work in the natural sciences is highly special, and consists of laboratory work, private reading and special investigations pursued by the student under the guidance of the instructors.

Physics.

The instruction in this department is under the direction of Dr. William B. Huff, Professor of Physics, Dr. James Barnes, Associate in Physics, and Miss Mabel Frehafer, Demonstrator in Physics.

GRADUATE COURSES.

The graduate courses consist of lectures, laboratory work, and original research under the direction of the instructors, the lecture courses varying from year to year so that they may be pursued by students through consecutive years. A good working library containing the current and bound numbers of all the important physical journals is kept in the laboratory.

No undergraduates are admitted to graduate courses.

Dr. Huff offers in 1910-11 the following graduate courses:

Radioactivity and Discharge of Electricity through Gases.

Three hours a week during the first semester.

The earlier lectures treat of the effect of fields on the path of a moving charged particle. A discussion of typical experimental methods of measuring velocity and the ratio of charge to the mass follows. After a study of the phenomena of electrical discharge and of radioactivity a brief account of theories is given.

Electron Theory.

Three hours a week during the second semester.

The mathematical development of the subject is presented in the lectures, with special reference to experimental tests of theory.

Dr. Huff offers in 1912-13 the following graduate course:

Mathematical Theory of Electricity and Magnetism.

Three hours a week throughout the year.

The lectures are based on Maxwell's standard work, and include a general account of the later development of the theory.

Dr. Barnes offers in 1911-12 the following graduate course:

Physical Optics.

Three hours a week throughout the year.

This course gives a general mathematical discussion of physical optics. Students are expected to give detailed reports on the methods and results of investigations which illustrate the theory.

Dr. Barnes offers in 1913-14 the following graduate course:

Thermo-dynamics and Radiation.

Three hours a week throughout the year.

The modern developments of thermo-dynamics and radiation are considered. Attention is paid to the application of the laws of thermo-dynamics in physical chemistry.

In each year Dr. Huff and Dr. Barnes together conduct the seminary, the journal club, and the laboratory work.

Physical Seminary and Journal Club.

One hour a week throughout the year.

The advanced students meet with the instructors once a week to hear or read papers on assigned topics in physics.

Laboratory work.

The laboratory work is arranged for the purpose of familiarising the student with the methods of research; the student begins by repeating methods and investigations of well-known experimenters, with any modifications that may be suggested, passing on to points of investigation left untouched by previous experimenters, and finally to the

study of new methods and the prosecution of original research. Students taking physics as their chief subject for the degree of Doctor of Philosophy are expected to spend all the time possible in the laboratory. In the basement there is a constant-temperature vault designed for accurate comparison of lengths, etc., and the laboratory is provided with special rooms for magnetic, optical, and electrical work. A well-equipped shop and a trained mechanic make it possible to have special forms of apparatus constructed which are needed in research work.

POST-MAJOR COURSES.

Dr. Huff offers in 1911-12 the following post-major course, open to graduate students:

Electricity and Magnetism.

Three hours a week throughout the year.

The lectures of this course treat typical mathematical and experimental problems chosen from the various parts of the entire subject. A large number of problems on potential and attraction are assigned.

Dr. Huff offers in 1913-14 the following post-major courses, open to graduate students:

Properties of Matter.

Three hours a week during the first semester.

The lectures cover the general subject of the properties of matter studied from the point of view of the Molecular Theory. The different theories of matter are discussed and an account of recent investigations concerning the relations of matter and electricity is given. Poynting and Thomson's *Properties of Matter* is read in connection with the course.

Theory of Sound.

Three hours a week during the second semester.

The lectures form an introduction to the theory of modes of vibration of pipes, strings, and rods. The theory of music and of musical instruments is then studied. Poynting and Thomson's *Sound* is used during the earlier part of the course, and frequent references are made to Helmholtz and Rayleigh.

Dr. Barnes offers in 1910-11 the following post-major course, open to graduate students:

Spectroscopy.

Three hours a week throughout the year.

The course begins with a complete discussion of the apparatus used in this subject; the results of past and present investigations are then considered, and problems for investigation are pointed out. The many important applications of spectroscopy to astronomy are not neglected. The standard book of reference is Kayser's *Handbuch der Spectroscopie*. Detailed reports of laboratory investigations are required.

Dr. Barnes offers in 1912-13 the following post-major course, open to graduate students:

General Optics.

Three hours a week throughout the year.

These lectures give a general discussion of the theories advanced to explain many phenomena in light. Students are required to have a good knowledge of elementary optics and to be sufficiently familiar with optical apparatus to undertake a detailed study of some special problem.

Chemistry.

The instruction in this department is under the direction of Dr. Elmer P. Kohler, Professor of Chemistry, Dr. Frederick Hutton Getman, Associate in Chemistry, and Miss Gertrude Langden Heritage, Demonstrator in Chemistry.

GRADUATE COURSES.

The advanced courses in chemistry consist of lectures upon inorganic, organic, and physical chemistry, seminary work, reports upon current chemical literature, and laboratory exercises. In the laboratory work the students are required to become familiar with the literature bearing upon the subjects they are studying, and it is therefore necessary for them to have a reading knowledge of French and German.

The lecture courses are varied from year to year to meet the requirements of students and to form a consecutive course for those who wish to make chemistry the chief subject in the examination for the degree of Doctor of Philosophy. Such students may specialise either in organic chemistry, under the direction of Dr. Kohler or in inorganic and physical chemistry, under the direction of Dr. Getman, but students who make organic chemistry the major subject of examination must take physical chemistry as one of their minor subjects, and students who make inorganic chemistry the major subject, must take organic chemistry as one of the minor subjects.

No undergraduates are admitted to graduate courses.

Dr. Kohler conducts in each year the following graduate seminary:

Chemical Seminary, Organic Chemistry. *One hour a week throughout the year.*

The students who specialise in organic chemistry present formal reports upon assigned topics.

Dr. Getman conducts in each year the following graduate seminary:

Chemical Seminary, Inorganic Chemistry.

One hour a week throughout the year.

The course consists of lectures, required reading, and reports on various topics. Modern determinations of atomic weight, the constitution of the chromic chlorides, the separation of the rare earths and radio-activity have been among the subjects treated. The needs of the individual students are considered in selecting the subjects for discussion.

Dr. Kohler offers in 1910-11 and again in 1912-13 the following graduate course:

Advanced Organic Chemistry.

Three hours a week throughout the year.

Dr. Getman offers in 1911-12 and again in 1913-14 the following graduate course:

Physical Chemistry.

Three hours a week throughout the year.

The lectures give a general survey of the subject, including the laws of gases, the elements of thermodynamics, the theory of solutions, chemical kinetics, equilibria, thermo-chemistry, and electro-chemistry.

The laboratory work in connection with the course includes the determination of specific gravities of solids and liquids, the molecular weights of vapors and dissolved substances; the study of reaction velocities, calorimetry, and electro-chemical measurements.

Dr. Kohler and Dr. Getman together conduct the journal club.

Chemical Journal Club.

One hour a week throughout the year.

The advanced students, with the instructors, meet to hear reports and discussions on recent scientific articles.

POST-MAJOR COURSES.

Dr. Kohler offers in 1911-12 and again in 1913-14 the following post-major course, open to graduate students:

Organic Chemistry, selected topics.

Three hours a week throughout the year.

The aim of this course is to lay the foundation for independent work in organic chemistry. The lectures begin with a study of current problems as illustrated by some particular class of organic compounds. This is followed by a discussion of the laboratory methods available for the solution of such problems.

The laboratory work is varied to meet the wants of the individual students. In general the student begins with the preparation of some of the more important substances that are discussed in the lectures. This is followed by organic analyses, molecular weight determinations, and the transformations necessary to establish the structural formulas of the substances prepared. In the second semester some elementary problem in organic chemistry is assigned to each student.

Dr. Getman offers in 1910-11 and again in 1912-13 the following post-major course, open to graduate students:

Inorganic Chemistry.

Three hours a week throughout the year.

The aim of the lectures is to extend the students' knowledge of inorganic and theoretical chemistry and to lay a foundation for independent work in this subject. One hour a week is given to a discussion of the laboratory work and subjects suggested directly by it.

The laboratory work includes the calibration of instruments; the preparation of pure substances; advanced quantitative analysis, comprising the elements of gas and water analysis; and such physico-chemical measurements as the needs of the individual student may indicate.

Geology.

The instruction in this department is under the direction of Dr. Florence Bascom, Professor of Geology, and Dr. Chester Albert Reeds, Associate in Geology.

The instruction offered in geology includes, in addition to the minor and major courses, two free elective courses of one and two hours a week respectively, two post-major courses of three hours a week open only to graduates and to undergraduates that have completed the major course in geology and three graduate courses of five, three, and two hours a week respectively.

Post-major courses in petrography and palæontology are offered in each year, and are designed to train the student in petrographic methods for the exact determination of rock species and rock families and in the principles of invertebrate and vertebrate palæontology. They are an essential preliminary to research work in the science.

Excellent illustrative material for the graduate and undergraduate courses is furnished by the geological collections of the college, including the Theodore D. Rand rock and mineral collection, which alone contains over 20,000 specimens, by the private collections of the instructors, and by material lent by the United States Geological Survey. The department is also fortunate in its proximity to the museum of the Academy of Natural Science of Philadelphia. Within easy reach of the college there are excellent collecting fields for fossil, mineral, and rock specimens.

GRADUATE COURSES.

The graduate courses in petrology and mineralogy should be preceded by the major and post-major courses or their equivalents and are intended primarily for graduate students wishing to make geology a major subject for the degree of Doctor of Philosophy. The graduate course in mineralogy is also intended to meet the needs of graduate students in chemistry who wish to make mineralogy a minor subject for the degree of Doctor of Philosophy. The graduate course in stratigraphy is designed primarily for graduate students wishing to make geology a major subject for the degree of Doctor of Philosophy; it may also be taken by graduate students in biology who wish to make stratigraphy a minor subject for the degree of Doctor of Philosophy. Further graduate courses in petrology will be arranged to suit the requirements of candidates for the degree of Doctor of Philosophy and research problems will be assigned.

No undergraduates are admitted to graduate courses.

Dr. Bascom offers the following graduate courses:

Lectures on Petrology.

One hour a week throughout the year.

Field Work.

Four hours a week throughout the year

Laboratory Work.*Eight hours a week throughout the year.*

The lectures deal with the problems of metamorphism of both aqueous and igneous rocks. The character of metamorphic processes and the conditions which control these processes, the megascopic and microscopic structures, and the criteria determining the origin, classification, geographic distribution, and geologic occurrence of metamorphic rocks are treated. Direction is given in research-work, map making, and advanced field work. The amount of laboratory, field work, and private reading required makes the course the equivalent of five hours a week.

Lectures on Mineralogy.*One hour a week throughout the year.***Laboratory Work.***Three hours a week throughout the year.*

Both the lectures and laboratory practice deal with crystal measurement by means of the two-circle goniometer, with crystal projection, and crystal drawing.

The works of Goldschmidt, Hantzsch, Groth, Tschermak, and Dana are used as reference books.

Dr. Reeds offers in each year the following graduate course:

Lectures on Stratigraphy.*One hour a week throughout the year.***Field Work.***Three hours a week throughout the year.***Laboratory Work.***Three and a half hours a week throughout the year.*

A detailed study is made of the rocks of one or more geological periods. The faunas and floras in these rocks are studied with respect to their development and to their associations in the various geographic areas, zoologic provinces and geologic formations. The student will study the literature bearing on the periods under consideration and, in the field, will make a systematic investigation of an assigned area in the vicinity of the college.

Dr. Bascom and Dr. Reeds together conduct the journal club.

Geological Journal Club.*One hour a week throughout the year.*

The graduate students and the instructors meet for the presentation and discussion of recent geological literature.

POST-MAJOR COURSES.

Dr. Bascom offers in each year the following post-major course, open to graduate students:

Lectures on Petrography.*Two hours a week throughout the year.***Field Work.***Three hours a week throughout the year.***Laboratory Work.***Two and a half hours a week throughout the year.*

During the first semester the lectures deal with the principles of optical crystallography, the optical means of mineral determination, and the petrographic characters of rock-forming minerals. In the second semester the structure, composition, characters, origin, geographical distribution, and geological associations of the igneous rocks are treated. Practice is given in the quantitative chemical classification of igneous rocks for the purpose of determining their position in the new system. Petrographical investigation in the field and laboratory is included in the course. The works of Groth, Rosenbusch, Zirkel, and Michel Lévy are used for reference. Special field problems are given to the students for independent solution.

Dr. Reeds offers in each year the following post-major course, open to graduate students:

Lectures on Palæontology.

Two hours a week throughout the year.

Field Work.

Three hours a week throughout the year.

Laboratory Work.

Two and a half hours a week throughout the year.

The course presupposes a knowledge of Historical Geology. A systematic study is made of the various classes of animals which are found in a fossil state. Special attention is given to the relations of these classes to each other as bearing on their origin and on the theory of evolution. Weekly excursions are made to neighboring fossiliferous localities to collect fossils, and to observe their occurrence in the rocks. The student has access, not only to the representative palæontological collection of Bryn Mawr College, but also to the large collections of the several academies and institutes in Philadelphia.

FREE ELECTIVE COURSES.

Dr. Bascom will offer in 1911-12, if the time of the department permits, the following free elective course open to graduate students:

Palæogeography.

One hour a week throughout the year.

The work of the course will be conducted by means of lectures, required reading and class-room discussion. The lectures will treat of the origin of the earth, the growth of the continents and the development of landscape, and will be illustrated by lantern slides. The reading is intended to supplement the lectures and to furnish further material for discussion. The course is intended to give a survey of the more important results reached by geological research.

Dr. Reeds offers in each year the following free elective courses open to graduate students:

Lectures on Meteorology.

One hour a week during the first semester.

The course consists of lectures on atmospheric phenomena illustrated by a selected series of lantern slides. Weather maps and forecasts are received daily from Washington and, by means of these, weather conditions in the United States are studied and observations are made on phenomena attending storms.

Lectures on Oceanography.

Two hours a week during the second semester.

The course consists of a study of the ocean. The lectures treat of the relief of the sea bottom, the various sediments laid down thereon, animal life in the sea, the conditions under which it exists, and causes of and barriers to the migration of faunas.

Biology.

The instruction in this department is under the direction of Dr. David Hilt Tennent, Associate Professor of Biology, Dr. Joseph W. Warren, Associate Professor of Physiology, Dr. Nettie Maria Stevens, Associate in Experimental Morphology, and Dr. Harriet Randolph, Demonstrator in Biology and Reader in Botany, and Miss Abigail Camp Dimon, Demonstrator in Biology.

GRADUATE COURSES.

The advanced courses are varied from year to year, so as to form a consecutive course for students that wish to make biology one of the chief subjects of the examination for the degree of Doctor of Philosophy. Such students may specialise either in animal morphology under the guidance of Dr. Tennent and Dr. Stevens, or in animal physiology under the guidance of Dr. Warren.

No undergraduates are admitted to graduate courses.

Dr. Tennent offers in 1910-11 the following graduate course:

Embryology of Echinoderms.

One hour a week throughout the year.

Dr. Tennent offers in 1911-12 the following graduate course:

Embryology of Invertebrates.

One hour a week throughout the year.

The embryology of invertebrates with special reference to germinal organisation, cleavage and differentiation, and to the problems of inheritance and development is studied. This course varies in accordance with the needs of the students in the department.

Dr. Tennent offers in 1912-13 the following graduate course:

The Evolution of Organisms.

One hour a week throughout the year.

The lectures deal with the growth of the idea of organic evolution. The course is historical in character; when previously given much time was devoted to a critical examination of the work of Lamarck, Darwin, and De Vries.

Dr. Warren offers in 1910-11 the following graduate courses:

The Interstitial Secretion of Glands ("Internal Secretion").

One hour a week during the first semester.

Selected Problems in Respiration and their bearing on the Nature of Metabolism, and the Problem of Animal Heat (Thermometry and Calorimetry).

One hour a week during the second semester.

Dr. Warren offers in 1911-12 the following graduate courses:

An Introduction to the History and Literature of Animal Physiology.

One hour a week during the first semester.

The Problem of the Knee-jerk, and a Discussion of the Graphic Method in its Application to Physiology.

One hour a week during the second semester.

Dr. Warren offers in 1912-13 the following graduate course:

Selected Problems of Nutrition with special reference to recent discussions of standard diets.

One hour a week throughout the year.

Dr. Stevens offers in each year the following graduate course:

Cytology.

One hour a week throughout the year.

The course deals with the anatomy of the cell, and the relations and functions of its various structures in unicellular and multicellular organisms. Special attention will

be given to the phenomena of karyokinesis and sexual reproduction and the theories connected therewith. Considerable time will be devoted to the consideration of problems in insect spermatogenesis.

Dr. Stevens offers in 1911-12 the following graduate courses:

Advanced Experimental Morphology: Mendelism and Eugenics.

One hour a week during the first semester.

The course includes a full discussion of Mendel's principles of heredity, and modern genetics, followed by a consideration of eugenics from the Mendelian standpoint.

Biometry, Selection and the Pure Series of Johannsen.

One hour a week during the second semester.

Biometrical methods of value to students of zoölogy, botany and physiology will be studied in this course. The Pure Series of Johannsen will be discussed in connection with the application of biometry to the study of evolution.

Dr. Stevens offers in 1912-13 the following graduate courses:

Sex-Determination, and Some Problems in Regeneration.

One hour a week during the first semester.

The literature and theories of sex determination will be discussed; and some of the theoretical problems connected with recent studies on regeneration will be considered.

The Mutation Theory and Germinal Localisation.

One hour a week during the second semester.

The experimental work of De Vries, MacDougal, Tower and others will be made use of in discussing the mutation theory of the *Origin of Species*, special attention being devoted to the details of the experiments and to the methods employed. Experiments on the fertilised and unfertilised egg, not included in the courses on embryology, will be discussed under the topic Germinal Localisation.

By request of students registering for the course in experimental morphology, one or both courses offered in 1911-12 may be substituted for those offered for 1912-13.

Dr. Tennent, Dr. Warren, and Dr. Stevens together conduct the journal club, the seminary, and the laboratory work.

Biological Journal Club.

One hour a fortnight throughout the year.

The advanced students and the instructors meet fortnightly for the discussion of topics of current biological literature.

Biological Seminary.

One hour a fortnight throughout the year.

The graduate students and the instructors meet fortnightly for the formal presentation of assigned topics.

Laboratory Work.

There is no regular course of laboratory instruction for graduates. Each student desiring to devote a considerable portion of her time to such work is given a problem for verification or extension. The nature of the work depends in each case on the qualifications of the student.

POST-MAJOR COURSES.

Dr. Tennent offers in 1910-11 and again in 1912-13 the following post-major course open to graduate students:

Embryology of Vertebrates.

One hour a week throughout the year.

This course consists of lectures, assigned reading and laboratory work on the embryology of vertebrates. The lectures deal with the development of specific forms and with theoretical questions of embryological interest. The department has material for the study of the development of *Amphioxus*, *Ascidian*, *Amia*, *Lepidosteus*, *Squalus*, *Ctenolabrus*, *Neoturus*, *Rana*, *Chrysemys*, Chick and Pig. At least five hours of laboratory work will be required.

The course is divided as follows: First semester. Embryology of Vertebrates (a). Early stages of development. Second semester. Embryology of Vertebrates (b). Organogeny.

Dr. Tennent offers in 1911-12 the following post-major course open to graduate students:

Advanced Zoölogy.

One hour a week during the first semester.

This course of lectures, assigned reading and laboratory work is intended to supplement the major course in zoölogy and must precede the post-major course in cytology. It is designed as a beginning research course. The course has varied from year to year, the molluscs, protochordates and echinoderms having in turn served as the basis of study. If the student is sufficiently prepared, some problem in animal morphology will be assigned. At least four hours of laboratory work will be required.

Dr. Warren offers in each year the following post-major courses open to graduate students:

Advanced Physiology.

One hour a week throughout the year.

The topics selected depend upon the previous training of the students, and as far as possible the preferences of the students are consulted. Occasional conferences are held for the discussion of essays prepared by the students and presenting the more important evidence concerning the fundamental problems of physiology. By this means it is hoped to familiarise the student with the literature and with the methods of investigation. In suitable cases and by special permission of the instructor this course may be extended by laboratory work and private reading. In this way it may be made equivalent to a course of two or three hours a week.

Lectures on the Structure and Function of the Central Nervous System.

One hour a week throughout the year.

This course may, under special circumstances, be taken at the same time as the major course. The finer structure of the nervous system of the higher vertebrates is discussed in considerable detail. The physiology of the cord and brain is presented as fully as the time will permit. This course may also be taken as a one hour elective by properly qualified students.

Lectures and Demonstrations in Physiological Chemistry.

Two hours a week throughout the year.

The instruction in this course is given by lectures and conferences on selected topics and also by laboratory work of about three hours a week. It treats of the problems of secretion and excretion, and also of the principal questions of nutrition in considerable detail and with reference to the more modern theories relating to these processes. The lectures are intended to supplement those of the major year, and a preliminary training in chemistry equivalent to that obtained in the minor course is required. This course may be taken as a two hour elective by properly qualified students.

Human Osteology.

One hour a week throughout the year.

This course is intended for students in the preliminary medical course; it may also be taken as a free elective course by properly qualified students receiving special permission. Two hours laboratory work is required in connection with the course.

Dr. Stevens offers in each year the following post-major courses open to graduate students:

Protoplasm, the Cell, and Cytological Technique.

One hour a week during the second semester.

This course consists of a study of the structure of protoplasm, the structure of the cell, the phenomena of cell division, maturation and fertilisation. Both plant and animal cells will be studied, and instruction will be given in methods of preparing cytological material for microscopical examination. To be taken as a two hour course with four hours laboratory.

Experimental Morphology.

One hour a week throughout the year.

The object of this course is to give a general historical view of experimental morphology of both plants and animals, to discuss some of the methods employed, to point out the results already obtained, and to indicate the nature of the work now being done in the subject. The topics discussed are: regeneration in Protozoa and Metazoa, behavior of lower organisms, experiments on the fertilised and unfertilised egg, Mendel's experiments in hybridisation, and De Vries Oenothera mutants. This course may, in exceptional cases, be taken as a one hour course with one and a half hours laboratory or assigned reading, but it is recommended that it be taken with four or six and a half hours laboratory as a two or three hour course.

Dr. Tennent, Dr. Warren, and Dr. Stevens conduct laboratory work in connection with the above courses:

Laboratory Work.

It is desirable that as much laboratory work as possible should be done in connection with the courses offered above. The object of the laboratory work is to give the student experience in the use of apparatus and in adapting it to research. Some special problem is assigned to each student; at the end of the year the results of the work are presented in writing.

FREE ELECTIVE COURSES.

Dr. Tennent offers in each year the following free elective course, open to graduate students:

Theoretical Biology.

One hour a week throughout the year.

This is a historical course dealing with the development of the theories of biology. Especial attention is given to theories of evolution and heredity. The course is open to students who have had one year's training in science. A considerable amount of assigned reading is required.

Dr. Randolph offers in each year the following free elective course, open to graduate students:

Birds.

One hour a week during the second semester.

This course consists of lectures, the examination and classification of museum specimens, and the study of habits, distribution, migration, etc. The required laboratory work of one and one half hours a week will consist of field excursions.

COLLEGE BUILDINGS.

The college buildings are situated at Bryn Mawr, in the suburbs of Philadelphia, five miles west of the city, on the main line of the Pennsylvania Railroad. The site of the college is four hundred and twenty feet above sea level, in the midst of a beautiful rolling country made accessible by good roads in every direction. The college grounds cover fifty-two acres, and include lawns, tennis courts, and two large athletic fields, one of which is converted in winter into a skating-pond.

Taylor Hall (named after the founder), a large building of Port Deposit stone, contains a general assembly room, ten lecture-rooms, and the offices of administration.

The library, the gift of the friends, graduates, and students of the college, begun in April, 1903, was completed in February, 1907. It is built of gray stone in the Jacobean Gothic style of architecture of the period of 1630, and forms three sides of a closed quadrangle. The main building, devoted to the library proper, faces east and is opposite and parallel to Taylor Hall at a distance of about fifty yards; the principal entrances of the two buildings face each other and are connected by a broad cement path. The east front is one hundred and seventy-four feet long and contains a three story stack with accommodation for eighty-eight thousand volumes, and above this a large reading-room with desks for one hundred and thirty-six readers, each desk screened to a height of two feet, as in the British Museum reading-room, to secure privacy to the reader. No books of reference are kept in the main reading-room. Beyond the reading-room on the south side are the newspaper and magazine rooms. On the north side are the Art and Archæological seminaries, containing collections of photographs, vases, and coins. The main building contains offices for the librarians and cataloguers, a professor's office, and four cloak rooms. The wings of the building, running symmetrically about two hundred feet in length from the north and south ends of the main building, contain twelve seminary rooms and twenty-five professors' offices. The books needed for graduate study and research are kept in the seminary rooms where the graduate lectures are held. The seminaries are arranged as follows: Greek, Latin, English, German, French, Italian and Spanish, and Philosophy in the

north wing; Mathematics, History, Economics, Psychology, and Semitic Languages in the south wing. The total book capacity of the library including the seminary libraries and the books for general study which are kept in the stack, is 168,449 volumes. The building is absolutely fire-proof. Professors' offices for the senior professor in each department adjoin the seminary rooms. There are also two seminary lecture-rooms accommodating about fifteen students, one general lecture-room accommodating forty-two students, four interview rooms, and a library for the use of the Christian Union.

On the first floor of the south wing the department of experimental psychology has two large laboratories, one for general work and one for research. The basement of the north wing contains rooms for the Monograph Committee of the Faculty, the Alumnæ Association, the Students' Association for Self-Government, and fire-proof safe rooms for the records and archives of the college. The quadrangular court enclosed by the building is surrounded by cloisters and in the centre of the grass enclosure is a fountain, the gift of the class of 1901.

The library is open for students on week-days from 8 a. m. till 10 p. m. and on Sundays from 2 p. m. till 10 p. m. It is open for the faculty at all hours.

In January, 1893, the scientific departments of the college were transferred to Dalton Hall, a stone building erected by the Trustees out of funds in large part contributed by the generosity of friends of the college. Dalton Hall is entirely occupied by the scientific departments, the special scientific libraries, and the consultation-rooms of the professors of science. The first floor and the basement are reserved for physics, the second floor is reserved for biology, the third floor for chemistry, and the fourth and fifth floors for geology. In December, 1893, a greenhouse designed for the use of the botanical department was added to Dalton Hall as the gift of the alumnæ and students.

Around Taylor Hall the Trustees have erected halls of residence for the accommodation of students. Plans, drawings, and descriptions of the six halls of residence, Merion Hall, Radnor Hall, Denbigh Hall, Pembroke Hall East, Pembroke Hall West, and Rockefeller Hall, the gift of Mr. John D. Rockefeller, and of the academic buildings, Taylor Hall, the Library,^f and Dalton

Hall, are published in a separate pamphlet to be obtained from the Secretary of the College.

The new gymnasium, erected on the site of the first gymnasium and the gift of the Athletic Association, the alumnae and thirteen neighbors of the college, was completed in February, 1909. It is open to the students from 8 a. m. till 10 p. m., daily, contains a large hall for gymnastic exercises, with a running or walking track for use in rainy weather; a room for the director, and an adjoining room for the examination and record of the physical development of the students, a waiting room, and cloak rooms. In the basement are bathrooms for use after exercise and a swimming-tank, sixty-nine feet long, twenty feet wide, and from four to seven and a half feet deep, given in 1894 by the alumnae, students, and friends of the college, and well supplied with spring boards, life preservers, and other apparatus for the teaching of swimming. The gymnasium is under the charge of a director and two assistants.

There is on the grounds, separated from the other buildings, a cottage infirmary, or hospital, with accommodation for patients and nurses, and its own kitchen and bathrooms.

A central power-house, which was erected in 1903 as part of the gift of Mr. John D. Rockefeller, furnishes heat, electric light, and hot water for all the college buildings. Steam is conducted through tunnels underground to coils in the basement of each building. Air brought in from the outside is blown through the heaters by powerful fans and distributed to the various rooms, and the piping system is so adjusted as to change the air completely in every room once in every ten minutes throughout the day and night. The temperature is regulated by thermostats in the heating coils as well as in the individual rooms. The electric lights, including electric reading-lamps for each student, are installed in the most approved manner and the voltage is kept constant so that there is no fluctuation. A constant and abundant supply of hot water is laid on and maintained at a temperature of 180 degrees, during all the twenty-four hours of the day, in all the bathrooms and stationary washstands and tea pantries.

The Delaware and Atlantic Telegraph and Telephone Company, a branch of the long-distance Bell^{*}Telephone Company,

maintains telephone pay stations in each of the halls of residence, in the library and in the gymnasium, by means of which the students may be communicated with at any time. Near the college are a Postal Telegraph-Cable Company office (service 6 A. M. to 12 P. M.), an Adams Express office, a United States money-order office and two banks. There are good roads in every direction. Horses for riding and driving may be kept at livery near the college, at a cost of twenty-five dollars a month.

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BRYN MAWR COLLEGE
CALENDAR

GRADUATE COURSES

UNIVERSITY OF ILLINOIS
MAY 3 1912
PRESIDENT'S OFFICE

1912

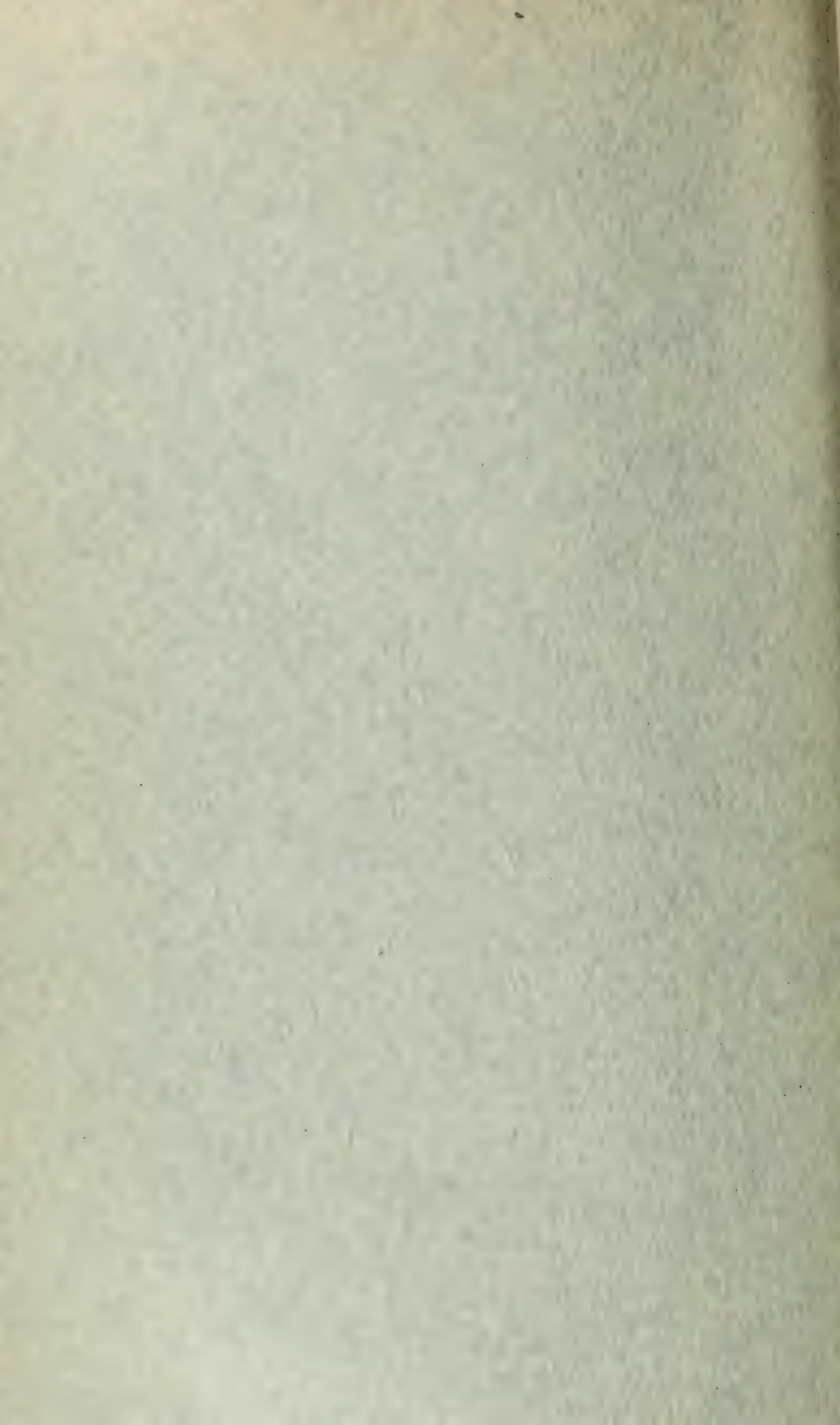
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BRYN MAWR, PENNSYLVANIA.

Published by Bryn Mawr College,

March, 1912.



BRYN MAWR COLLEGE

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BRYN MAWR COLLEGE CALENDAR.

1912.

PART 1. Register of Alumnae and Former Students.

PART 2. Graduate Courses.

PART 3. Undergraduate and Graduate Courses.

PART 4. Academic Buildings and Halls of Residence,
Plans and Descriptions.

BRYN MAWR COLLEGE.

COLLEGE CALENDAR.

1912.

JANUARY.

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1913.

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The academic year will close with the Conferring of Degrees at eleven o'clock, on June 5th, 1913.

ACADEMIC YEAR, 1912-13.

September 24th.	Matriculation examinations begin.
September 30th.	Registration of students. Halls of Residence open for students at three p. m.
October 1st.	Registration of students. Matriculation examinations end.
October 2nd.	The work of the twenty-eighth academic year begins at a quarter to nine o'clock.
October 3rd.	Examinations for advanced standing begin.
October 19th.	Senior oral examination in French.
October 24th.	Examinations for advanced standing end.
October 26th.	Senior oral examination in German.
November 18th.	Collegiate and matriculation condition examinations begin.
November 26th.	Collegiate and matriculation condition examinations end.
November 27th.	Thanksgiving vacation begins at one o'clock.
December 2nd.	Thanksgiving vacation ends at nine o'clock.
December 7th.	Senior oral examinations in French and German.
December 18th.	Christmas vacation begins at one o'clock.
January 3rd.	Christmas vacation ends at nine o'clock.
January 4th.	Thursday lectures given.
January 22nd.	Half-yearly collegiate examinations begin.
January 28th.	Matriculation examinations begin.
February 1st.	Collegiate examinations end. Annual meeting of the Alumnae Association.
February 3rd.	Vacation.
February 4th.	Vacation. Matriculation examinations end.
February 5th.	The work of the second semester begins at a quarter to nine o'clock.
February 6th.	Examinations for advanced standing begin.
February 27th.	Examinations for advanced standing end.
March 10th.	Collegiate and matriculation condition examinations begin.
March 15th.	Senior oral examinations in French and German.
March 18th.	Collegiate and matriculation condition examinations end.
March 19th.	Easter vacation begins at one o'clock.
March 27th.	Easter vacation ends at nine o'clock.
April 2nd.	Mid-semester examinations in matriculation Greek, German and French.
May 10th.	Senior oral examinations in French and German.
May 20th.	Vacation.
May 21st.	Collegiate examinations begin.
May 29th.	Matriculation examinations begin.

May 31st.	Collegiate examinations end.
June 4th.	Matriculation examinations end.
June 5th.	Conferring of degrees and close of twenty-eighth academic year.

ACADEMIC YEAR, 1913-14.

September 23rd.	Matriculation examinations begin.
September 29th.	Registration of students. Halls of Residence open for students at three p. m.
September 30th.	Registration of students. Matriculation examinations end.
October 1st.	The work of the twenty-ninth academic year begins at a quarter to nine o'clock.

CORPORATION.

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ASA S. WING,

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ELIZABETH BUTLER KIRKBRIDE.

ASA S. WING.

CHARLES J. RHOADS.

THOMAS RAEBURN WHITE.

FREDERIC H. STRAWBRIDGE.

ANNA RHOADS LADD.

ABRAM F. HUSTON.

OFFICERS OF ADMINISTRATION.

ACADEMIC YEAR, 1911-12.

*President,*M. CAREY THOMAS, PH.D., LL.D.
Office: Taylor Hall.*Acting Dean of the College,*MARION EDWARDS PARK, A.M.
Office: Taylor Hall.*Recording Dean and Assistant to the President,*ISABEL MADDISON, B.Sc., PH.D.
Office: Taylor Hall.*Secretary,*

ANNA BELL LAWTHOR, A.B. Office: Taylor Hall.

Recording Secretary.

EDITH ORLADY, A.B. Office: Taylor Hall.

Comptroller,

JAMES G. FORRESTER, M.A. Office: Taylor Hall.

Business Agent,

MARIA HAWES ALBEE, A.M. Office: Taylor Hall.

Wardens of the Halls of Residence,

MARTHA GIBBONS THOMAS, A.B., Pembroke Hall.

HELEN REMINGTON CALDER, Radnor Hall.

MABEL HARRIET NORTON, A.B., Denbigh Hall.

EDITH BUELL WRIGHT, A.B., Merion Hall.

JANE RIGHTER, Rockefeller Hall.

ALICE HILL BYRNE, A.B., Assistant Warden, Pembroke Hall.

Librarian,

MARY LETITIA JONES, B.L., B.L.S. Office: The Library.

Director of Athletics and Gymnastics,

CONSTANCE M. K. APPLEBEE. Office: The Gymnasium.

Junior Bursar,

MARGARET A. PROCTOR, B.A. Office: Rockefeller Hall.

*Physician in Chief,*THOMAS F. BRANSON, M.D. Office hours, 8 to 9.30 and 2 to 3 daily,
Rosemont, Pa.*Assistant Physician,*MARIANNA TAYLOR, M.D. Office hours, 2 to 3 daily except Monday,
7 to 8 daily, St. David's, Pa.; Merion Hall, Bryn Mawr College,
4 to 6 daily except Sunday.*Examining Oculist,*HELEN MURPHY, M.D. Office hours, 2 to 4 daily, 1433 Spruce Street,
Philadelphia.

ACADEMIC APPOINTMENTS.

ACADEMIC YEAR, 1911-12.

M. CAREY THOMAS, PH.D., LL.D., *President of the College and Professor of English.*

A.B., Cornell University, 1877; studied at the Johns Hopkins University, 1877-78; University of Leipsic, 1879-82; Ph.D., University of Zürich, 1882; Sorbonne and Collège de France, 1883; Dean of the Faculty of Bryn Mawr College and Professor of English, 1885-94.

CHARLOTTE ANGAS SCOTT, D.Sc., *Alumnæ Professor of Mathematics.*

Lincoln, England. Graduate in Honours, Girton College, University of Cambridge, England, 1880; B.Sc., University of London, 1882; Lecturer on Mathematics in Girton College, 1880-84; lectured in connection with Newnham College, University of Cambridge, England, 1880-83; D.Sc., University of London, 1885.

GEORGE A. BARTON, PH.D., *Professor of Biblical Literature and Semitic Languages.*

A.B., Haverford College, 1882, and A.M., 1885; studied under the direction of the American Institute of Hebrew, 1885-86; Harvard University, 1888-91; Thayer Scholar, Harvard University, 1889-91; A.M., Harvard University, 1890; Ph.D., Harvard University, 1891; Director of the American School of Oriental Study and Research in Palestine, 1902-03.

JOSEPH W. WARREN, M.D., *Associate Professor of Physiology.*

A.B., Harvard College, 1871; University of Berlin, 1871-72; University of Leipsic, 1872-73; University of Bonn, 1873-79; M.D., University of Bonn, 1880; Assistant and Instructor in Physiology, Harvard Medical School, 1881-91; Lecturer in Medical Department of the University of the City of New York, 1885-86; Lecturer in Physiology, University of Michigan, 1889.

ELMER P. KOHLER, PH.D., *Professor of Chemistry.*

A.B., Muhlenberg College, 1886, and A.M., 1889; Johns Hopkins University, 1889-91; Fellow in Chemistry, Johns Hopkins University, 1891-92; Ph.D., Johns Hopkins University, 1892.

FLORENCE BASCOM, PH.D., *Professor of Geology.*

A.B., University of Wisconsin, 1882, B.Sc., 1884, and A.M., 1887; Johns Hopkins University, 1891-93; Ph.D., Johns Hopkins University, 1893; Assistant in Geology and Instructor in Petrography, Ohio State University, 1893-95.

ISABEL MADDISON, B.Sc., PH.D., *Recording Dean and Assistant to the President.*

Reading, England. B.Sc., University of London, 1893. Ph.D., Bryn Mawr College, 1896, and B.A., Trinity College, Dublin, 1905; Girton College, University of Cambridge, England, 1889-92; Graduate in Honours, First Class, in the Cambridge Mathematical Tripos, 1892; Graduate in Honours, Final Mathematical Schools, University of Oxford, 1892; Graduate Student in Mathematics, Bryn Mawr College, 1892-93, and Fellow in Mathematics, 1893-94; Holder of the Mary E. Garrett European Fellowship, and Student in Mathematics, University of Göttingen, 1894-95.

WILMER CAVE WRIGHT, PH.D., *Associate Professor of Greek.*

Shrewsbury, England. Girton College, University of Cambridge, England, 1888-92; Graduate in Honours, Cambridge Classical Tripos, 1892; Ph.D., University of Chicago, 1895; Fellow in Greek, Bryn Mawr College, 1892-93; Fellow in Latin, University of Chicago, 1893-94, and Fellow in Greek, 1894-95; Reader in Greek and Latin, University of Chicago, 1895-96.

JAMES H. LEUBA, PH.D., *Professor of Psychology and Education and Director of the Psychological Laboratory.*

Neuchâtel, Switzerland. B.S., University of Neuchâtel, 1886; Ph.B., Ursinus College, 1888; Scholar in Psychology, Clark University, 1892-93; Fellow in Psychology, Clark University, 1893-95; Ph.D., Clark University, 1896.

FONGER DEHAAN, PH.D., *Professor of Spanish.*

Leeuwarden, Holland. Ph.D., Johns Hopkins University, 1895; Instructor in Modern Languages, Lehigh University, 1885-91; Fellow in Romance Languages, Johns Hopkins University, 1893-94, Assistant in Romance Languages, 1893-95, Instructor in Romance Languages, 1895-96, and Associate in Romance Languages, 1896-97.

ALBERT SCHINZ,* PH.D., *Professor of French Literature.*

Neuchâtel, Switzerland. A.B., University of Neuchâtel, 1888, and A.M., 1889. Licentiate in Theology, 1892; Student, University of Berlin, 1892-93; University of Tübingen, 1893; Ph.D., University of Tübingen, 1894; Sorbonne and Collège de France, 1894; Privatdocent, University of Neuchâtel, 1896-97; Instructor in French, Clark University, 1897-98; Instructor in French, University of Minnesota, 1898-99.

ARTHUR LESLIE WHEELER, PH.D., *Professor of Latin.*

A.B., Yale University, 1893; Scholar and Student in Classics, Yale College, 1893-96; Ph.D., Yale University, 1896; Instructor and Tutor in Latin, Yale College, 1894-1900.

HENRY NEVILL SANDERS, PH.D., *Professor of Greek.*

Edinburgh, Scotland. A.B., Trinity University, Toronto, 1894, and A.M., 1897; Ph.D., Johns Hopkins University, 1903; Fellow in Greek, Johns Hopkins University, 1897-98; Lecturer in Greek, McGill University, 1900-02.

WILLIAM BASHFORD HUFF, PH.D., *Professor of Physics.*

A.B., University of Wisconsin, 1889; A.M., University of Chicago, 1896; Ph.D., Johns Hopkins University, 1900; Lecture Assistant in Physics, Johns Hopkins University, 1899-1900, Assistant in Physics, 1900-01, and Instructor in Physics, 1901-02.

WILLIAM ROY SMITH, PH.D., *Associate Professor of History.*

A.B., University of Texas, 1897, and A.M., 1908; Ph.D., Columbia University, 1903; Acting Professor of History and Political Science, University of Colorado, 1900-01; Lecturer in History, Barnard College, 1901-02.

LUCY MARTIN DONNELLY, A.B., *Professor of English.*

A.B., Bryn Mawr College, 1893; University of Oxford, England, and University of Leipsic, 1893-94; Sorbonne and Collège de France, and University of Leipsic, 1894-95.

KARL DETLEV JESSEN, PH.D., *Professor of German Literature.*

Winnemark, Schleswig-Holstein, Germany. A.B., University of Chicago, 1896, and Fellow in German, 1897-98; Ph.D., University of Berlin, 1901; University of Chicago, 1895-98; University of Kiel, 1899; University of Berlin, 1898-1901; Acting Professor of Modern Languages, Eureka College, 1896; Instructor in German, Iowa State University, 1897; Instructor in German, Harvard University, 1901-03, and Lecturer on German Literature and Aesthetics, 1904.

TENNEY FRANK, PH.D., *Associate Professor of Latin.*

A.B., University of Kansas, 1898, and A.M., 1899; Ph.D., University of Chicago, 1903; Fellow, University of Chicago, 1899-1901; Assistant and Associate in Latin, University of Chicago, 1901-04.

DAVID HILT TENNENT,* PH.D., *Associate Professor of Biology.*

S.B., Olivet College, 1900; Fellow, Johns Hopkins University, 1902-04; Bruce Fellow, Johns Hopkins University, 1904; Ph.D., Johns Hopkins University, 1904.

NETTIE MARIA STEVENS, PH.D., *Associate in Experimental Morphology.*

A.B., Leland Stanford, Jr., University, 1899, and A.M., 1900; Ph.D., Bryn Mawr College, 1903; Student in Hopkins Seaside Laboratory, Pacific Grove, Summer, 1897, 1898, 1899, and 1900. Graduate Scholar in Biology, Bryn Mawr College, 1900-01; Holder of the President's European Fellowship, 1901-02; Student, Zoological Station, Naples, and University of Würzburg, 1901-02, 1908-09; Fellow in Biology, Bryn Mawr College, 1902-03, and Research Fellow in Biology, 1903-04; Carnegie Research Assistant, 1904-05; Alice Freeman Palmer Research Fellow, 1908-09.

CARLETON FAIRCHILD BROWN,* PH.D., *Professor of English Philology.*

A.B., Carleton College, 1888; A.M., Harvard University, 1901, and Ph.D., 1903. Shattuck Scholar, Harvard University, 1901-03; Instructor in English, Harvard University, 1903-05.

JAMES BARNES, PH.D., *Associate Professor of Physics.*

Halifax, Nova Scotia. B.A., Dalhousie University, Honours in Mathematics and Physics 1899, and M.A., 1900; Ph.D., Johns Hopkins University, 1904. Holder of 1851 Exhibition Science Research Scholarship, 1900-03; Fellow, Johns Hopkins University, 1903-04, and Assistant in Physics, 1904-06.

* Granted leave of absence for the year 1911-12.

RICHARD THAYER HOLBROOK, PH.D., *Associate Professor of French Philology and Italian.*

A.B., Yale University, 1893; Ph.D., Columbia University, 1902. Sorbonne, Collège de France, Ecole des Chartes, 1893-94, 1895-96; Student in Italy and University of Berlin, 1894-95. Student in Spain, 1901; Tutor in the Romance Languages and Literatures, Yale University, 1896-1901, and Columbia University, 1902-06.

THEODORE DE LEO DE LAGUNA, PH.D., *Professor of Philosophy.*

A.B., University of California, 1896, and A.M., 1899; Ph.D., Cornell University, 1901. Teacher in the Government Schools of the Philippine Islands, 1901-04; Honorary Fellow and Assistant in Philosophy, Cornell University, 1904-05; Assistant Professor of the Philosophy of Education, University of Michigan, 1905-07.

MARION REILLY,* A.B., *Dean of the College and Reader in Philosophy.*

A.B., Bryn Mawr College, 1901; Graduate Student, Bryn Mawr College, 1901-02, 1903-1903-06; Newnham College, University of Cambridge, Spring, 1907.

MARION PARRIS, PH.D., *Associate Professor of Economics.*

A.B., Bryn Mawr College, 1901, and Ph.D., 1909. Graduate Student, Bryn Mawr College, 1902-05, Fellow in Economics and Politics, 1905-06; Bryn Mawr College Research Fellow and Student in Economics and Politics, University of Vienna, 1906-07.

FREDERICK HUTTON GETMAN, PH.D., *Associate in Chemistry.*

Ph.D., Johns Hopkins University, 1903. Rensselaer Polytechnic Institute, 1893-96; University of Virginia, 1896-97; Fellow in Chemistry, Johns Hopkins University, 1902-03, and Fellow by Courtesy, 1903-04; Carnegie Research Assistant in Physical Chemistry, 1903-04; Lecturer in Physical Chemistry, College of the City of New York, 1904-05, and Lecturer in Physics, Columbia University, 1907-08.

CLARENCE ERROL FERREE, PH.D., *Associate in Experimental Psychology.*

B.S., Ohio Wesleyan University, 1900, A.M., 1901, and M.S., 1902; Ph.D., Cornell University, 1909. Fellow in Psychology, Cornell University, 1902-03; Assistant in Psychology, Cornell University, 1903-07.

ORIE LATHAM HATCHER, PH.D., *Associate in Comparative Literature and Elizabethan Literature.*

A.B., Vassar College, 1888. Ph.D., University of Chicago, 1903. Graduate Student, University of Chicago, 1901-03, and Fellow in English, 1903-04.

ALFRED HORATIO UPHAM, PH.D., *Associate Professor of English Literature.*

A.B., Miami University, 1897, and A.M., 1898; A.M., Harvard University, 1901; Ph.D., Columbia University, 1908. Instructor in Latin and Greek, Miami University, 1897-1900; Graduate Student, Harvard University, 1900-02; Professor of English, Agricultural College of Utah, 1902-05; Columbia University Fellow in Comparative Literature, 1905-06; Associate Professor of English, Miami University, 1906-08, and Professor of English and Head of the Department, 1908-10.

CHESTER ALBERT REEDS, PH.D., *Associate in Geology.*

B.S., University of Oklahoma, 1905; M.S., Yale University, 1907, and Ph.D., 1910. Graduate Scholar, Yale University, 1905-06, and Fellow, 1906-08; Field Assistant, U. S. Geological Survey, 1903-06; Instructor in Mineralogy and Petrology, University of Oklahoma, February to June, 1908.

AGATHE LASCH, PH.D., *Associate in Teutonic Philology.*

Berlin, Germany. Ph.D., University of Heidelberg, 1909. Student, University of Halle, 1906-07; University of Heidelberg, 1907-10. State Examination *pro facultate docendi*, Karlsruhe, 1910.

GRACE MEAD ANDRUS DE LAGUNA, PH.D., *Associate in Philosophy.*

A.B., Cornell University, 1903, and Ph.D., 1906. Sage Scholar in Philosophy, Cornell University, 1903-05; Alice Freeman Palmer Fellow of Wellesley College, 1905-06; Reader in Philosophy, Bryn Mawr College, 1907-08.

JAMES FULTON FERGUSON, A.M., *Associate (elect) in Ancient History and Latin.*

A.B., Monmouth College, 1903; A.B., Yale University, 1906, and A.M., 1907. Fellow, Yale University, 1906-09; Instructor in Williams College, 1909-10; Instructor in Greek and Latin, Yale College, 1910-12.

* Granted leave of absence for the year 1911-12.

THOMAS CLACHAR BROWN, PH.D., *Associate (elect) in Geology.*

A.B., Amherst College, 1904; A.M., Columbia University, 1905, and Ph.D., 1909. Assistant in Palæontology, Columbia University, 1905-07; Geologist to the Board of Water Supply of New York City, 1907-09; Assistant Professor of Geology, Middlebury College, 1909-11; Non-resident Lecturer in Geology, Norwich University, 1909; Assistant Professor of Geology, Pennsylvania State College, 1911-12.

MARION EDWARDS PARK,* A.M., *Acting Dean of the College.*

A.B., Bryn Mawr College, 1898, and A.M., 1899. Bryn Mawr European Fellow and Graduate Student, Bryn Mawr College, 1898-99; University of Chicago, Autumn Quarter, 1900; American School of Classical Studies in Athens, 1901-02; Instructor in Classics, Colorado College, 1902-03, 1904-06, and Acting Dean of Women, 1903-04; Teacher in Miss Wheeler's School, Providence, R. I., 1906-09.

SAMUEL ARTHUR KING, M.A., *Non-Resident Lecturer in English Diction.*

Tynemouth, England. M.A., University of London, 1900. Special Lecturer in Elocution, Johns Hopkins University, 1901; Special Lecturer in Elocution, University of California, 1902.

GEORGIANA GODDARD KING,† A.M., *Reader in English and Lecturer in Art.*

A.B., Bryn Mawr College, 1896, and A.M., 1897. Fellow in Philosophy, Bryn Mawr College, 1896-97, and Fellow in English, 1897-98. Collège de France, First Semester, 1898-99.

HARRY BATEMAN, M.A., *Lecturer in Mathematics.*

Manchester, England. M.A., University of Cambridge; Graduate in Honours (Senior Wrangler, bracketed) in the Cambridge Mathematical Tripos, 1903, and First Division, First Class, Mathematical Tripos, Part II, 1904; Smith's Prizeman, 1905; Fellow of Trinity College, Cambridge, Student in Göttingen and Paris, 1905-06; Lecturer in Mathematics, University of Liverpool, 1906-07; Reader in Mathematical Physics, Manchester University, 1907-09.

SAMUEL MOORE,‡ PH.D., *Lecturer in English Philology.*

A.B., Princeton University, 1899, and A.M., 1908; Ph.D., Harvard University, 1911. Instructor in English, University of Kansas, 1907-08; Townsend Scholar, Harvard University, 1909-10; Weld Scholar in English, Harvard University, 1910-11.

ELLWOOD AUSTIN WELDEN, PH.D., *Lecturer in French and Sanskrit.*

B.S., University of Pennsylvania, 1903, and Ph.D., 1906. Harrison Scholar in Indo-European Philology, University of Pennsylvania, 1903-04; Fellow, 1904-06; University of Berlin, Summer Semester, 1905; Shattuck Scholar in Indic Philology, Harvard University, 1906-07; Student in Paris and Bologna, 1909-10.

SYDNEY D. M. HUDSON, PH.B., *Lecturer in Political Science.*

Ph.B., University of Syracuse, 1907. President's University Scholar, Columbia University, 1909-10, and George William Curtis Fellow in Political Science, 1910-11.

FREDERICK ALDRICH CLEVELAND, A.B., *Lecturer in History.*

A.B., Cornell University, 1899. Assistant in Modern European History, Cornell University, 1908-09; President White Travelling Fellow and Student, Universities of Freiburg and Heidelberg, 1909-10; Harvard University, 1910-11.

DAVID M. ROBINSON, PH.D., *Non-Resident Lecturer in Classical Archaeology.*

A.B., Chicago University, 1898, and Ph.D., 1904. Fellow in Greek, Chicago University, 1899-1901; Student, American School of Classical Studies in Athens, 1901-02, and Fellow, 1902-03; University of Berlin, 1903-04; Assistant Professor of Greek, Illinois College, 1904-05; Associate and Associate Professor of Classical Archaeology, Johns Hopkins University, 1905-12.

LOUIS CONS,§ *Lecturer in French.*

Lyons, France. *Bachelier-ès-lettres*, Lyons University, 1896, and *Licencié-ès-lettres*, University of Paris, 1899. The Sorbonne, 1901-04; Certificat d'Etudes Scientifique, University of Grenoble, 1902; Assistant in French, University of Berlin, 1906-08; French Tutor in the Royal Court of Prussia, 1906-08; Ecole des Hautes-Etudes, Paris, 1909-10. *Officier d'Académie*, 1905.

CLARENCE HENRY HARING, A.B., B.LITT., *Lecturer (elect) in History.*

A.B., Harvard University, 1907; B.Litt., University of Oxford, 1909. Rhodes Scholar, University of Oxford; Bayard Cutting Travelling Fellow in History, Harvard University, and Student, University of Berlin, 1911-12.

* Appointed as Substitute for Dean Marion Reilly.

† Granted leave of absence for the year 1911-12.

‡ Appointed as Substitute for Professor Carleton Fairchild Brown.

§ Appointed as Substitute for Professor Albert Schinz.

HARRIET RANDOLPH, Ph.D., *Demonstrator in Biology and Reader in Botany.*

A.B., Bryn Mawr College, 1889; Fellow in Biology, Bryn Mawr College, 1889-90; University of Zurich, 1890-92; Ph.D., University of Zurich, 1892.

REGINA KATHARINE CRANDALL,* Ph.D., *Reader in English.*

A.B., Smith College, 1890; Ph.D., University of Chicago, 1902. Graduate Student, University of Chicago, 1893-94, and Fellow in History, 1894-96; Assistant in History, Smith College, 1896-99; Instructor in History, Wellesley College, 1899-1900.

ABBY KIRK, A.B., *Reader in Elementary Greek.*

A.B., Bryn Mawr College, 1892. Reader in English, Bryn Mawr College, 1892-98.

EMMA HAEBERLI, Ph.D., *Reader in Elementary French.*

Berne, Switzerland. Ph.D., University of Berne, 1903. Graduate Student, University of Berne, and Tutor in French and German, 1904-05, 1906-09; Instructor in French and German, Virginia College, Roanoke, Va., 1909-10.

MARY JEFFERS, A.M., *Reader in Elementary German.*

A.B., Bryn Mawr College, 1895, and A.M., 1897. Graduate Student, Bryn Mawr College, 1895-98, 1903-04, 1906-07; Teacher of Latin in the Misses Shipley's School, Bryn Mawr, 1895-98; Student at the Universities of Munich and Halle, 1898-99; Teacher of Latin and History in the Girls' Latin School, Baltimore, Md., 1900-01; Head of the Latin Department in the Misses Shipley's School, Bryn Mawr, 1897-1907; Student, University of Bonn, Summer of 1895; Private Tutor, 1892-1911; Supervisor of Greek, Latin, German and History Departments, Brantwood Hall, Bronxville, Lawrence Park, N. Y., 1905-07.

MARGARET GRACE SKINNER, M.A., *Reader in English.*

Bedford, England. Girton College, University of Cambridge, England, 1902-06; Graduate in Honours, Modern and Mediæval Languages Tripos, Part I, 1905; Part II, 1906. M.A., Trinity College, Dublin, 1908. Teacher of English, Rosemary Hall, Greenwich, Conn., 1907-10.

EDNA ASTON SHEARER, A.B., *Reader in English.*

A.B., Bryn Mawr College, 1904; Junior Fellow in Philosophy, Bryn Mawr College, 1904-05; Holder of the President's Fellowship and Student, Universities of Edinburgh and Aberdeen, 1905-06; Fellow in Philosophy, Bryn Mawr College, 1906-07; Teacher of English in the Baldwin School, Bryn Mawr, Pa., 1907-09, and Graduate Student, Bryn Mawr College, 1907-08.

LILY ROSS TAYLOR, A.B., *Reader and Demonstrator in the History of Art and Classical Archaeology.*

A.B., University of Wisconsin, 1906. Scholar in Latin, Bryn Mawr College, 1906-07; Fellow in Latin, 1907-08; Reader in Latin and Graduate Student, 1908-09; University of Chicago, Summer Quarter, 1907; University of Bonn, Summer Semester, 1909; American School of Classical Studies in Rome, 1909-10.

ABIGAIL CAMP DIMON,† A.M., *Reader in Biology.*

A.B., Bryn Mawr College, 1896, and A.M., 1899. Vice-Principal of the High School, Clinton, N. Y., 1896-97; Assistant Teacher of English in the Utica Academy, 1897-98; Graduate Student, Bryn Mawr College, 1898-99; Tutor, 1900-01; Graduate Student and Warden of Radnor Hall, Bryn Mawr College, 1901-04; Teacher of Science in the Balliol School, Utica, 1904-05, and of Science and Mathematics, 1905-08; Teacher in the New School, Utica, 1908-09.

BEATRICE DAW, A.M., *Reader in English.*

A.B., Vassar College, 1909, and A.M., University of Pennsylvania, 1910.

MARY RUTH ETHELWYN GEORGE, A.B., *Assistant Reader in English.*

A.B., Cornell University, 1911. Hearer, Bryn Mawr College, 1906-10.

CORNELIA CATLIN COULTER, Ph.D., *Reader in Latin.*

A.B., Washington University, 1907, and Ph.D., Bryn Mawr College, 1911. Graduate Scholar in Latin, Bryn Mawr College, 1907-08; President's European Fellow and Student, University of Munich, 1908-09; Fellow in Latin, Bryn Mawr College, 1909-10, and Fellow in Greek, 1910-11.

* Granted leave of absence for the year 1911-12.

† Appointed as Substitute for Professor David Hilt Tennent.

MARY HAMILTON SWINDLER, A.M., *Reader in Latin.*

A.B., University of Indiana, 1905, and A.M., 1906. Graduate Scholar in Greek, Bryn Mawr College, 1906-07, and Fellow in Greek, 1907-09; Mary E. Garrett European Fellow and Student, Universities of Berlin and Oxford and the American School of Classical Studies in Athens, 1909-10; Teacher in the Misses Shipley's School, Bryn Mawr, 1910-11.

HELEN SCHAEFFER HUFF, Ph.D., *Reader in Mathematics.*

A.B., Dickinson College, 1903, A.M., 1905, and Ph.D., Bryn Mawr College, 1908. Graduate Scholar in Mathematics, Bryn Mawr College, 1903-04, and Graduate Student in Physics, 1907-08; Fellow in Physics, Bryn Mawr College, 1904-05; Holder of the Mary E. Garrett European Fellowship and Student, University of Göttingen, 1905-06; Demonstrator in Physics, Bryn Mawr College, 1906-07; Teacher in the Baldwin School, Bryn Mawr, Pa., 1907-08; Reader in Mathematics, Bryn Mawr College, Semester II, 1909-10.

HELEN ESTABROOK SANDISON, A.M., *Reader in English.*

A.B., Bryn Mawr College, 1906, and A.M., 1907. Graduate Scholar, Bryn Mawr College, 1906-07, 1910-11; Assistant Principal of the High School, Brookville, Ind., 1907-08; Fellow in English, Bryn Mawr College, 1908-09; Holder of Special European Fellowship, Bryn Mawr College, and Student, University of Oxford, 1909-10.

AMELIA ELIZABETH WHITE, A.B., *Assistant Reader in English.*

A.B., Bryn Mawr College, 1901.

MABEL KATHRYN FREHAFFER, A.M., *Demonstrator in Physics.*

A.B., Bryn Mawr College, 1908; A.M., University of Wisconsin, 1909. Graduate Student, University of Wisconsin, 1908-09; Fellow in Physics, Bryn Mawr College, 1909-10.

JESSIE WILLIAMS CLIFTON, A.B., *Demonstrator in Chemistry.*

A.B., Bryn Mawr College, 1911.

ANNA BELL LAWTHOR, A.B., *Secretary of the College.*

A.B., Bryn Mawr College, 1897. Assistant Bursar, Bryn Mawr College, 1898-1900; Graduate Student, Bryn Mawr College, 1898-99, 1904-05; Warden of Merion Hall, 1904-05.

EDITH ORLADY, A.B., *Recording Secretary.*

A.B., Bryn Mawr College, 1902. Warden of Pembroke Hall West, 1903-05, and Warden of Rockefeller Hall, 1905-06; Graduate Student, Bryn Mawr College, 1903-06, 1907-09.

MARY LETITIA JONES, B.L., B.L.S., *Librarian.*

B.L., University of Nebraska, 1885; B.L.S., New York State Library School, 1892. Acting Librarian and Adjunct Professor of Bibliography, University of Nebraska, 1892-97; Librarian and Assistant Professor of Library Economy, University of Illinois, 1897; Classifier, Iowa State University, 1898; Second Assistant Librarian, Los Angeles Public Library, 1898-99, and Librarian, 1900-05.

CONSTANCE M. K. APPLEBEE, *Director of Athletics and Gymnastics.*

Licentiate, British College of Physical Education, 1898, and Member, 1899. Gymnasium Mistress, Girls' Grammar School, Bradford, Yorkshire, 1899-1900; in the Arnold Foster High School, Burnley, Yorkshire, 1899-1901; in the High School, Halifax, Yorkshire, 1900-01; Head of Private Gymnasium, Ilkley, Yorkshire, 1899-1901; Harvard School of Physical Training, Summer, 1901; Hockey Coach, Vassar College, Wellesley College, Radcliffe College, Mt. Holyoke College, Smith College, Bryn Mawr College, Boston Normal School of Gymnastics, 1901-04; Hockey Coach, Harvard Summer School of Gymnastics, 1906.

ELIZABETH LAWRENCE GRAY, *Assistant Director of Athletics and Gymnastics.*

Graduate, Sargent Normal School of Physical Education, Boston, Mass., 1908. Student, Gilbert Summer Normal School of Classic Dancing, 1908; Instructor in Gymnastics, Playgrounds, Cambridge, Mass., Summer, 1908, 1909.

MARY ELLEN BAKER, A.B., B.L.S., *Head Cataloguer.*

A.B., Lincoln University, 1900. B.L.S., New York State Library School, 1908. Assistant in Latin, Missouri Valley College, 1901-05, and Librarian, 1902-06. Illinois State Library School, 1906-07; New York State Library School, 1907-08.

BESSIE HOMER JENNINGS, *Assistant Cataloguer.*

Graduate, Drexel Institute Library School, 1900.

MARY WARREN TAYLOR, *Secretary to the Department of Athletics and Gymnastics.*

THOMAS F. BRANSON, M.D., *Physician in Chief.*

A.B., Haverford College, 1889; M.D., University of Pennsylvania, 1892. Attending Physician, Bryn Mawr Hospital.

MARIANNA TAYLOR, M.D., *Assistant Physician.*

A.B., Bryn Mawr College, 1903, and M.D., Woman's Medical College of Pennsylvania, 1908. Resident Physician, Woman's Hospital, Philadelphia, 1908-09, and Clinical Instructor, 1910-11; Practicing Physician, St. David's, Pa., 1910-12.

HELEN MURPHY, M.D., *Examining Oculist.*

M.D., Woman's Medical College of Pennsylvania, 1893; Assistant Demonstrator in Histology, Woman's Medical College of Pennsylvania, 1894-96; Instructor in Materia Medica, 1896-1902; Instructor in Diseases of the Eye, Philadelphia Polyclinic and College for Graduates in Medicine, 1895-97.

The following physicians have consented to serve as consultants in special cases:

ELLA B. EVERITT, M.D., 1807 Spruce Street, Philadelphia, *Consultant Gynecologist.*

JOHN H. MUSSER, M.D., 1927 Chestnut Street, Philadelphia, *Consultant Physician.*

GEORGE DE SCHWEINITZ, M.D., 1705 Walnut Street, Philadelphia, *Consultant Oculist.*

ROBERT G. LE CONTE, M.D., 1625 Spruce Street, Philadelphia, *Consultant Surgeon.*

FRANCIS R. PACKARD, M.D., 304 S. Nineteenth Street, Philadelphia, *Consultant Aurist and Laryngologist.*

JAMES K. YOUNG, M.D., 222 S. Sixteenth Street, Philadelphia, *Consultant Orthopædist.*

The Academic Committee of the Alumnae.

MARY BIDWELL BREED, PH.D. (*Chairman*), Office of the Adviser of Women, University of Missouri, COLUMBIA, MO.

LOUISE BROWNELL SAUNDERS, A.B. (*Secretary*), (Mrs. Arthur Percy Saunders), CLINTON, N. Y.

SUSAN FOWLER, A.B. (*ex-officio*), 420 West 118th Street, NEW YORK CITY.

GERTRUDE ELIZABETH DIETRICH SMITH, A.B., (Mrs. Herbert Knox Smith), CATHEDRAL AVENUE AND WOODLEY LANE, WASHINGTON, D. C.

NELLIE NEILSON, PH.D., Mt. Holyoke College, SOUTH HADLEY, MASS.

FRANCES AMELIA FINCKE, A.M., (Mrs. Learned Hand), 142 East 65th Street, NEW YORK CITY.

KATHARINE LORD, A.B., PLYMOUTH, MASS.

MARGUERITE B. ARMSTRONG, A.B., 1330 19th Street, Washington, D. C.

STUDENTS.

Fellows and Graduate Students, Academic Year, 1911-12.

- TREDWAY, HELEN, *Bryn Mawr European Fellow.*
 Dubuque, Ia. A.B., Bryn Mawr College, 1911. Graduate Scholar in Chemistry, Bryn Mawr College, 1911-12.
- BRUSSTAR, MARGARET, *Mary E. Garrett European Fellow.*
 Philadelphia. A.B., Bryn Mawr College, 1903. Teacher of Latin and Mathematics, Miss Gleim's School, Pittsburgh, Pa., 1903-04; Teacher of Mathematics in the Misses Shipley's School, Bryn Mawr, Pa., 1904-10; Graduate Scholar in Mathematics, Bryn Mawr College, 1907-08, Graduate Student, 1908-10, and Fellow in Mathematics, 1910-11; Student, University of Göttingen, 1911-12.
- PINNEY, MARY EDITH, *President's European Fellow.*
 Wilson, Kan. A.B., Kansas State University, 1908, and A.M., 1910. Teaching Fellow in Zoology, Kansas State University, 1909-10, High School Instructor, Alma, Kan., 1908-09, and Fellow in Biology, Bryn Mawr College, 1910-11; Student, Universities of Bonn and Heidelberg and Zoological Station, Naples, 1911-12.
- ROE, ADAH BLANCHE, *Ottendorfer Memorial Research Fellow in Teutonic Philology.*
 Omaha, Neb. A.B., Woman's College of Baltimore, 1909. Scholar in German, Bryn Mawr College, 1909-11; Student, University of Berlin, 1911-12.
- MACLEOD, ANNIE LOUISE, *Research Fellow in Chemistry.*
 Grace Bay, Nova Scotia. A.B., McGill University, 1904, M.Sc., 1905, and Ph.D., 1910. Demonstrator in Chemistry, McGill University, 1905-08; Assistant in Chemistry, Barnard College, 1908-09; Fellow in Chemistry, Bryn Mawr College, 1909-10, and Research Fellow in Chemistry, 1910-11.
- THOMPSON, D'ARCY FRANCES, *Fellow in Greek.*
 Dublin, Ireland. Girton College, University of Cambridge, England, 1903-06. Graduate in Honours, first class, Classical Tripos, Part I, 1906. M.A., Royal University of Ireland, 1907; Examiner in Latin, Royal University of Ireland, 1907-08; Classical Mistress in the High School, Portsmouth, England, 1906-08; Classical Teacher, Rosemary Hall, Greenwich, Conn., 1908-10; Reader in Latin, and Graduate Student, Bryn Mawr College, 1910-11.
- GOODRICH, GRACE GERTRUDE, *Fellow in Latin.*
 Ripon, Wis. A.B., Ripon College, 1906, and A.M., 1907. A.M., University of Wisconsin, 1911. Student, American School of Classical Studies in Rome, 1909-10; University of Wisconsin, 1910-11.
- FOSTER, FRANCES ALLEN, *Fellow in English.*
 Providence, R. I. A.B., Brown University, 1909. Scholar in English, Bryn Mawr College, 1909-11.
- CRAWFORD, THYRA, *Fellow in German.*
 Excelsior, Minn. A.B., Goucher College, 1903; A.M., University of Minnesota, 1910. Graduate Student, University of Minnesota, 1908-10. Teacher in the High School, Ada, Minn., 1903-04; Principal of the High School, Excelsior, Minn., 1904-11.
- LANSING, RUTH, *Fellow in Romance Languages.*
 Roxbury, Mass. A.B., Radcliffe College, 1908, and A.M., 1909. Graduate Student, Radcliffe College, 1908-09; Instructor in Wells College, September to November, 1909.
- PERRY, LORINDA, *Fellow in Economics and Politics.*
 Melvin, Ill. A.B., University of Illinois, 1909, and A.M., 1910. Radcliffe Fellow, Women's Educational and Industrial Union, Boston, Mass., 1910-11.
- KELLOGG, ANGIE LILLIAN, *Fellow in Philosophy.*
 Watertown, N. Y. A.B., Vassar College, 1903, and A.M., 1904. Teacher in the High School, Schenectady, N. Y., 1904-10, and in the High School, Hasbrouck Heights, N. J., March to June, 1911.
- MCCAIN, GERTRUDE IONA, *Fellow in Mathematics.*
 Delphi, Ind. A.B., Indiana State University, 1908, and A.M., 1911. Teacher in the High School, Delphi, 1897-99; Principal of the Friends' High School, Salem, Ind., 1908-09; Teaching Fellow in Mathematics, Indiana State University, 1910-11.

GILROY, HELEN TURNBULL,.....*Fellow in Physics.*
 Philadelphia, A.B., Bryn Mawr College, 1909. Graduate Student in Physics, Bryn Mawr College, 1909-10.

GIBBONS, VERNETTE LOIS,.....*Fellow in Chemistry.*
 Upton, Mass. Sc.B., Mt. Holyoke College, 1896, and A.B., 1899. M.Sc., University of Chicago, 1907; M.Sc., University of the Cape of Good Hope, 1908. Teacher in the High School, Barnardstown, Mass., 1896-97; Assistant in Chemistry, Mt. Holyoke College, 1897-99, and Instructor in Chemistry, 1899-1901; Instructor in Chemistry and Mineralogy, Wells College, 1902-04, and Associate Professor of Chemistry, 1905-06; Lecturer and Head of Department of Chemistry, Huguenot College, Wellington, South Africa, 1907-11, and on leave of absence, 1911-12.

STOCKING, RUTH JENNINGS,.....*Fellow in Biology.*
 Flushing, O. A.B., Goucher College, 1910. Graduate Student, Johns Hopkins University, 1910-11.

DAVIS, ESTHER,.....*British Graduate Scholar.*
 Great Bridge, Staffordshire, England. B.A., University of Birmingham, 1909. Graduate Student, University of Birmingham, 1909-11.

DUCKETT, ELEANOR SHIPLEY,.....*British Graduate Scholar.*
 Frome, Somerset, England. B.A., University of London, 1902, and M.A., 1904. Girton College, University of Cambridge, England, 1908-11; Classical Tripos, Part I, 1911. Classical Mistress in the High School, Sutton, Surrey, 1905-07.

POULTON, ETHEL MAUD,.....*British Graduate Scholar.*
 Great Bridge, Staffordshire, England. B.Sc., University of Birmingham, 1910, and M.Sc., 1911.

STARKEY, CLARA BEATRICE,.....*British Graduate Scholar.*
 Bloxwich, Walsall, Staffordshire, England. B.Sc., University of Birmingham, 1910, and M.Sc., 1911. Teacher of Botany in Walsall Municipal Institute, 1910-11.

BOLWIN, LUCRETIA,.....*German Graduate Scholar.*
 Geestemünde, Germany. University of Greifswald, 1910-11. Teacher in the Girls' High School of the Ursuline Convent, Aachen, and Frankfort a. Main, 1908-09.

REHDER, MARIE,.....*German Graduate Scholar.*
 Flensburg, Germany. University of Berlin, 1910-11.

SPRECKELS, ELISABETH MARTHA,.....*German Graduate Scholar.*
 Dresden, Germany. Realgymnasium für Mädchen, Dresden, 1905-10; Königliche Technische Hochschule, Dresden, Summer Semester, 1911.

AGG, RACHEL,.....*Penn College Scholar.*
 Oskaloosa, Ia. Ph.B., Penn College, 1911.

ALEXANDER, WILLA BULLITT,.....*Economics, Psychology and Biology.*
 Pittsburgh, Pa. A.B., Bryn Mawr College, 1911.

BILLS, MARION ALMIRA,.....*Graduate Scholar in Psychology.*
 Allegan, Mich. A.B., University of Michigan, 1908. Teacher in the Public School, Allegan, 1909-11.

BIRD, EMILY MALTBY,.....*Graduate Scholar in English.*
 Gwynedd, Pa. A.B., Swarthmore College, 1909. Graduate Student, University of Pennsylvania, 1909-11. Teacher in Miss Roney's School for Girls, Bala, Pa., 1910-11.

BLISS, ELEONORA FRANCES,.....*Geology.*
 Rosemont, Pa. A.B. and A.M., Bryn Mawr College, 1904. Graduate Student, Bryn Mawr College, 1904-05, Graduate Scholar, 1905-06, Assistant Curator of Geological Museum, 1908-09; Graduate Student in Geology, University of California, 1910-11.

BOWERMAN, HELEN COX,.....*Fellow by Courtesy in Archæology.*
 Point Pleasant, N. J. A.B., Mount Holyoke College, 1901; A.M., University of Rochester, 1903. Teacher of English and Latin in the High School, Macedon, N. Y., 1903-05; Instructor in Latin, Western College for Women, Oxford, O., 1905-07; Associate Professor of Latin, 1907-08; Graduate Scholar in Archæology, Bryn Mawr College, 1908-09, and Fellow in Archæology, 1909-11; Studying in Rome, 1910-11.

- BOWERS, CORINNE,.....*French*.
Chambersburg, Pa. B.Mus., Wilson College, 1910.
- BULLA, LILLIE ELLIOTTE,.....*Guilford College Scholar*.
Sophia, N. C. A.B., Guilford College, 1911.
- BYRNE, ALICE HILL,.....*Greek*.
Lancaster, Pa. A.B., Wellesley College, 1908. Teacher of Latin and Greek in the Union High School, Coleraine, Pa., 1894-96, and Principal, 1899-1900; in Mrs. Blackwood's School, Lancaster, 1896-99, and 1900-01; Associate Principal and Teacher of Latin and Greek in Miss Stahr's School, Lancaster, 1901-05; Principal of the Shippen School, Lancaster, 1905-09; Teacher of Latin and Greek in Miss Hills's School, Philadelphia, 1909-11; Graduate Student, Bryn Mawr College, 1908-10, and Graduate Scholar in Greek, 1910-11.
- CALFEE, MARGUERITE AVELETTE,.....*Graduate Scholar in Psychology*.
Uvalde, Texas. A.B., University of Texas, 1911.
- CARROLL, JOSEPHINE ELIZA,.....*English, History and Biblical Literature*.
Wilmington, O. A.B., Hiram College, Hiram, O., 1910.
- COLLINS, RUTH,.....*Psychology*.
Pitman Grove, N. J. A.B., Bryn Mawr College, 1910. Instructor in English, Drexel Institute, Philadelphia, and Graduate Scholar in Psychology, Bryn Mawr College, 1910-11.
- DARKOW, ANGELA CHARLOTTE,.....*Graduate Scholar in Greek*.
Philadelphia. A.B., Bryn Mawr College, 1911.
- DISMORR, MARGARET STEWART,.....*Graduate Scholar in Economics*.
Harrow on the Hill, England. Newnham College, University of Cambridge, England, 1907-10; First Class Honours, Cambridge Medieval and Modern Languages Tripos, 1910; British Graduate Scholar, Bryn Mawr College, 1910-11.
- DOOLITTLE, MARGARET,.....*Graduate Scholar in Latin*.
Mt. Vernon, N. Y. A.B., Bryn Mawr College, 1911.
- DYER, MILDRED,.....*German and Economics*.
Des Moines, Ia. Pe.B., Drake University, 1907, and Ph.B., 1908.
- FORMAN,* ELIZABETH BETTERTON,.....*Italian*.
Ardmore, Pa. A.B., Bryn Mawr College, 1902. Tutor in the Bryn Mawr School, Baltimore, 1902-03; Graduate Student, Bryn Mawr College, 1907-08.
- FREHAFFER, MABEL KATHRYN,.....*Physics*.
Philadelphia. A.B., Bryn Mawr College, 1908; A.M., University of Wisconsin, 1909. Graduate Student in Physics, University of Wisconsin, 1908-09; Fellow in Physics, Bryn Mawr College, 1909-10, and Demonstrator and Graduate Student in Physics, 1910-11.
- GABRIEL, GRACE ETHEL,.....*English and Comparative Literature*.
Des Moines, Ia. A.B., State University of Iowa, 1905. Teacher in the High School, Manson, Ia., 1905-06, in the High School, Le Mars, Ia., 1906-08, and in the High School, East Des Moines, 1908-11.
- GATEWOOD, ETHEL GENEVA,.....*German and Mathematics*.
Crown City, O. B.Sc., Ohio Northern University, 1907. Teacher in the High School, Salineville, O., 1907-08; in the Public Schools, Huntington, W. Va., 1908-09; and Principal of the High School, Atlanta, O., 1909-11.
- GERHARD, ELIZABETH HILL,.....*French and Italian*.
Lancaster, Pa. A.B., Bryn Mawr College, 1904. Substitute Teacher in the High School, Harrisburg, Pa., 1904-05; Teacher of Mathematics and Science, Allentown College for Women, 1905-06; Teacher of German, English, and Mathematics in the Misses Sergeant and Miss Bent's School, Harrisburg, 1906-07; Teacher of Science in Lancaster College, Lancaster, 1907-08.

* Mrs. Horace Baker Forman.

- GOODWIN, MARY MERRICK,
Susan B. Anthony Memorial Scholar in Political Theory.
Philadelphia A.B., Bryn Mawr College, 1909. Teacher in the Preparatory School for Boys and Girls, Bryn Mawr, 1910-11.
- GRAHAM, MINNIE ALMIRA,
Fellow by Courtesy and Graduate Scholar in Chemistry.
Lockport, N. Y. A.B., Mt. Holyoke College, 1900, and A.M., University of Michigan, 1906. Fellow in Chemistry, Bryn Mawr College, 1906-07, 1910-11; in charge of Departments of Physics and Chemistry, Lake Erie College, 1907-10.
- HANNA, MARY ALICE,.....*History and Economics.*
Trenton, Mo. A.B., University of Missouri, 1909, and B.S., 1911. Teacher in the High School, Vandalia, Mo., 1909-11.
- HARDENBROOK, MILDRED,.....*Graduate Scholar in Greek.*
Poughkeepsie, N. Y. A.B., Vassar College, 1908, and A.M., 1909.
- HASEMAN, MARY GERTRUDE,.....*Graduate Scholar in Mathematics.*
Linton, Ind. A.B., University of Indiana, 1910. Professor of Mathematics in Vincennes University, 1910-11.
- HEAD, MARGARET LOUISE,.....*Graduate Scholar in Latin.*
Madison, Wis. A.B., University of Wisconsin, 1911.
- HOWSON, EMILY ELIZABETH,.....*Graduate Scholar in Physics.*
Philadelphia, A.B., Bryn Mawr College, 1910. Graduate Student, Bryn Mawr College, 1910-11.
- JARMAN, MARGARET DANCE, . . .*English, Biblical Literature and Education.*
Columbus, Miss. A.B., Mississippi State College for Women, 1911.
- JONAS, ANNA ISABEL,.....*Geology.*
Bridgeton, N. J. A.B., Bryn Mawr College, 1904, and A.M., 1905. Graduate Student, Bryn Mawr College, 1904-05, 1910-11, Graduate Scholar in Geology, 1905-06, and Assistant Curator of Geological Museum, 1908-09.
- KENNARD, HELEN ROSE,
English, Comparative Literature, Biblical Literature, Economics and Archæology.
Glendora, Cal. A.B., Pomona College, 1911.
- LANGENBECK, CLARA, . . .*Fellow by Courtesy and Graduate Scholar in Biology.*
Cincinnati, O. Ph.G., Cincinnati College of Pharmacy, 1891; S.B., University of Cincinnati, 1895. Fellow in Biology, Bryn Mawr College, 1895-96; Student, University of Marburg, 1896-98; Professor of Biology, Wells College, 1898-1901; Instructor in the Cincinnati College Preparatory School for Girls, 1901-11.
- LONG, HELEN ELIZABETH,.....*German.*
Philadelphia. A.B., Wilson College, 1909.
- MORGAN, LOUISE BAGGOTT,.....*Graduate Scholar in English.*
Providence, R. I. A.B. and A.M., Brown University, 1907. Graduate Scholar in English, Bryn Mawr College, 1907-11.
- MORTON, CAROLINE MILLARD,.....*Graduate Scholar in Greek.*
Providence, R. I. A.B., Brown University, 1910, and A.M., 1911.
- NEWKIRK, * ALICE MAYNARD FIELD,.....*Psychology and Biology.*
Bryn Mawr, Pa. A.B., University of Cincinnati, 1899. Substitute Teacher in the High and Grammar Schools, Detroit, Mich., 1900-01.
- NORTON, MABEL HARRIET,.....*Italian.*
Pasadena, Cal. A.B., Bryn Mawr College, 1902. Student, The Sorbonne, 1907-08. Teacher of Latin in Snell Seminary, Berkeley, Cal., 1908-11, and Student, University of California, 1908-09. Warden of Denbigh Hall, Bryn Mawr College, 1911-12.

* Mrs. Walter Matthew Newkirk.

PEEBLES, FLORENCE,.....*Fellow by Courtesy.*

Bryn Mawr, Pa. A.B., Woman's College of Baltimore, 1895, and Ph.D., Bryn Mawr College, 1900. Graduate Scholar in Biology, Bryn Mawr College, 1895-96; Fellow in Biology, 1896-97; and Graduate Student, 1897-98, 1903-04, 1906-11; Holder of the Mary E. Garrett European Fellowship, Scholar of the Woman's Table and Student in Biology, Zoological Station, Naples, Universities of Munich and Halle, 1898-99; Instructor in Biology, Woman's College of Baltimore, 1899-1902; and Associate Professor of Biology, 1902-06; Teacher of Science in Miss Wright's School, Bryn Mawr, 1906-07; Assistant Demonstrator in Biology, Bryn Mawr College, 1907-10.

POTTBERG, ELLEN ESTHER,.....*Education.*

Philadelphia. A.B., Bryn Mawr College, 1911. Secretary to the Business Agent, Bryn Mawr College, 1911-12.

RAMBO, ELEANOR FERGUSON,.....*Archæology.*

Philadelphia. A.B., Bryn Mawr College, 1908, and A.M., 1909. Scholar in Greek, Bryn Mawr College, 1908-09; Graduate Student in Latin, 1909-10; Teacher of Mathematics in the Misses Kirk's School, Bryn Mawr, 1909-10; Private Tutor, 1910-12.

RAND, MARIE GERTRUDE,

Fellow by Courtesy and Graduate Scholar in Psychology.

Brooklyn, New York City. A.B., Cornell University, 1908. Graduate Scholar in Psychology, Bryn Mawr College, 1908-09, Fellow in Philosophy, 1909-10, and Fellow in Psychology, 1910-11.

ROBERTS, LOUISE ELIZABETH,.....*Graduate Scholar in Greek.*

Philadelphia. A.B., Bryn Mawr College, 1908, and A.M., 1911. Teacher of Languages in the Friends' Academy, Moorestown, N. J., 1908-10; Private Tutor and Graduate Student, Bryn Mawr College, 1910-11.

SCHEURER, CORA MABEL,.....*Graduate Foundation Scholar.*

Long Beach, Cal. A.B., Whittier College, 1910.

SMITH, LOUISE PETTIBONE,.....*Graduate Scholar in Semitic Languages.*

Winchester Centre, Conn. A.B., Bryn Mawr College, 1908. Instructor in Hardin College, Mexico, Mo., 1908-11.

SPALDING, MARY CAROLINE,.....*Fellow by Courtesy in English.*

Bryn Mawr, Pa. A.B., Vassar College, 1901. Graduate Student, Bryn Mawr College, 1906-08, Graduate Scholar, 1908-10, and Fellow in English, 1910-11; Teacher in the Misses Shipley's School, Bryn Mawr, 1906-10.

SPRAY, RUTH GLADYS,.....*Graduate Scholar in Biology.*

Lawrence, Kans. A.B., Kansas State University, 1911.

SYFORD, CONSTANCE MIRIAM,.....*Graduate Scholar in English.*

Lincoln, Neb. A.B., Nebraska State University, 1909, and A.M., 1911. Assistant and Reader to the Dean, Nebraska State University, 1909-11.

SYLVESTER, IRENE WATERS,.....*Graduate Scholar in Philosophy.*

Passaic, N. J. A.B., Mt. Holyoke College, 1911.

THEOBALD, OTTILIE,.....*German and French.*

Columbus, O. A.B., Ohio State University, 1911.

WEEKS, EULA ADELINE,.....*Fellow by Courtesy in Mathematics.*

Butler, Mo. A.B. and B.S., University of Missouri, 1908, and A.M., 1909. Teacher in the High School, Rich Hill, Mo., 1901-05; Fellow in Mathematics, Bryn Mawr College, 1909-10, and Fellow by Courtesy, 1910-11.

WEUSTHOFF, ANNA SOPHIE,.....*Fellow by Courtesy in German.*

New York City. A.B., Woman's College of Baltimore, 1906. Graduate Student in Teutonic Philology, Bryn Mawr College, 1906-07, and Fellow by Courtesy, 1910-11; Otten-dorfer Research Fellow in Teutonic Philology and Student, University of Berlin, 1907-09; Alumnae Fellow of Goucher College and Graduate Student of Bryn Mawr College, 1909-10; Teacher of German in the Misses Shipley's School, Bryn Mawr, Pa., 1910-12.

WILDMAN, EDITH E.,.....*Earlham College Scholar.*

Selma, O. A.B., Earlham College, 1911.

WRIGHT, EDITH BUELL,.....*Italian and Biblical Literature.*

Detroit, Mich. A.B., Bryn Mawr College, 1900. Private Tutor, 1901-02, 1904-05.

Former Holders of European Fellowships.

- BALCH, EMILY GREENE, Prince Street, Jamaica Plain, Mass.
Holder of the Bryn Mawr European Fellowship, 1889-90. A.B., Bryn Mawr College, 1889, group, Greek and Latin. Student in Political Science, Conservatoire des Arts et des Métiers, Paris, and under the direction of Professor Emile Levasseur, 1890-91; University of Chicago, 1895; University of Berlin, 1895-96; Member of Board of Trustees for Children of the City of Boston, 1897-98; Assistant in Economics, Wellesley College, 1896-97. Instructor in Economics, 1897-1903, Associate Professor of Economics and Sociology, 1903-12, and Acting Head of the Department, 1907-11.
- BECKER, AMANDA FREDERICKA, ... 5796 McPherson Avenue, St. Louis, Mo.
Holder of the President's European Fellowship, 1903-04. B.Sc., Missouri State University, 1901, and A.M., 1902. Holder of Teaching Fellowship, Missouri State University, 1901-02; Graduate Scholar, Bryn Mawr College, 1902-03; Student, University of Göttingen, 1903-04; Teacher of Mathematics in the Yeatman High School, St. Louis, 1904-08, and in the Soldan High School, St. Louis, 1909-11.
Married, 1911, *Mr. William Hardy Montague.*
- BILLMEYER, HELEN MAY, 250 Midland Avenue, Montclair, N. J.
Holder of the Bryn Mawr European Fellowship, 1902-03. A.B., Bryn Mawr College, 1902, group, History and Political Science; University of Berlin, 1903-04; Private Tutor, 1910-11.
- BLEY, HELEN MÜLLER, ... Schleissheimerstrasse 16^{III}, Munich, Germany.
Holder of the Bryn Mawr European Fellowship, 1910-11. A.B., Bryn Mawr College, 1910. Student, University of Munich, 1910-12.
- BONTECQU, MARGARET, 150 Highland Avenue, Orange, N. J.
Holder of the Bryn Mawr European Fellowship, 1909-10. A.B., Bryn Mawr College, 1909. Student, Universities of Munich and Oxford, 1910-11; Private Tutor and Settlement Worker, 1911-12.
- BORING, ALICE MIDDLETON, University Inn, Orono, Me.
Holder of the Mary E. Garrett European Fellowship, 1907-08. A.B., Bryn Mawr College, 1904, group, Chemistry and Biology, and A.M., 1905, Ph.D., 1910. Graduate Scholar in Biology, and Assistant in the Biological Laboratory, Bryn Mawr College, 1904-05; Moore Fellow in Zoology, University of Pennsylvania, 1905-06; Fellow in Biology, Bryn Mawr College, 1906-07; Instructor in Zoology, Vassar College, 1907-08; Student, University of Würzburg, and Zoological Station, Naples, 1908-09; Instructor in Zoology, University of Maine, 1909-11, and Assistant Professor, 1911-12.
- BOURLAND, CAROLINE BROWN, Peoria, Ill.
Holder of the Mary E. Garrett European Fellowship, 1900-01. A.B., Smith College, 1893; Ph.D., Bryn Mawr College, 1905, subjects, Spanish, Old French, and Italian. Teacher of French and German in Mrs. Starrett's School, Oak Park, Ill., 1895-96, and in the High School, Peoria, 1896-97; Student, Sorbonne and Collège de France, 1897-98; Fellow in Romance Languages, Bryn Mawr College, 1898-99; Graduate Scholar and Fellow by Courtesy in Romance Languages, Bryn Mawr College, 1899-1900, 1901-02; Student in Romance Languages, Madrid, Spain, 1900-01; Instructor in Spanish and French, Smith College, 1902-06, and Associate Professor, 1906-12.
- BREED, MARY BIDWELL, Read Hall, Columbia, Mo.
Holder of the Bryn Mawr European Fellowship, 1894-95. A.B., Bryn Mawr College, 1894, group, Chemistry and Biology, A.M., 1895, and Ph.D., 1901, subjects, Chemistry and Mathematics. Graduate Student and Assistant in the Chemical Laboratory, Bryn Mawr College, 1894-95; Student in Chemistry, University of Heidelberg, 1895-96; Professor of Science, Pennsylvania College for Women, 1897-99; Fellow by Courtesy and Graduate Scholar in Mathematics, Physics, and Chemistry, Bryn Mawr College, 1899-1901; Dean of Women and Assistant Professor of Chemistry, Indiana University, 1901-06; Student in Paris and Italy, 1909-10; Adviser of Women, University of Missouri, 1906-12.
- BROOKS, HARRIET, 990 Côte St. Luc Road, Montreal, Canada.
Holder of the President's European Fellowship, 1902-03. A.B., McGill University, 1898, and A.M., 1901. Graduate Student, McGill University, 1898-99; Tutor in Mathematics, and Research Student in Physics, Royal Victoria College, 1899-1901; Fellow in Physics, Bryn Mawr College, 1901-02; Student, University of Cambridge, England, 1902-03; Lecturer in Mathematics, Royal Victoria College of McGill University, Montreal, 1903-04; Tutor in Physics, Barnard College, 1904-06; Research Student, Sorbonne, 1906-07.
Married, 1907, *Mr. Frank H. Pitcher.*

BROWNELL, LOUISE SHEFFIELD,.....Clinton, N. Y.

Holder of the Bryn Mawr European Fellowship, 1893-94. A.B., Bryn Mawr College, 1893, group, Greek and Latin. Student in Greek and English, University of Oxford, England, and University of Leipsic, 1893-94; Graduate Student in Greek, Columbia College, 1894-95, and Graduate Student in English, 1895-96; Graduate Student in Greek and English, Bryn Mawr College, 1896-97; Warden of Sage College, and Lecturer in English Literature, Cornell University, 1897-1900; Associate Head of the Balliol School, Utica, N. Y., 1900-05; Private Tutor, 1905-11.

Married, 1900, *Mr. Arthur Percy Saunders*.

CADY, MARY LOUISE,.....48 N. Church Street, Decatur, Ga.

Holder of the Mary E. Garrett European Fellowship, 1906-07. A.B. and A.M., Radcliffe College, 1904. Graduate Scholar in Greek, Bryn Mawr College, 1904-05; Fellow in Greek, Bryn Mawr College, 1905-06; Student, University of Berlin, 1906-07; Teacher in the Agnes Scott College, Decatur, Ga., 1907-08, Professor of Greek, 1908-10, and Professor of History, 1910-12.

CLAFLIN, EDITH FRANCES,.....Monticello Seminary, Godfrey, Ill.

Holder of the Mary E. Garrett European Fellowship, 1899-1900. A.B., Radcliffe College, 1897; Ph.D., Bryn Mawr College, 1906, subjects, Greek and Latin. Graduate Scholar in Greek and Latin, Bryn Mawr College, 1897-98, and Graduate Student, 1898-99; Student at the American School of Classical Studies, Athens, 1899-1900; Private Research Work, Harvard University Library, 1900-01; Instructor in Literature in the Prospect Hill School, Greenfield, Mass., 1901-02, and in Classics and Classical History, 1902-07; Instructor in Greek and Latin, and Head of the Classical Department, Monticello Seminary, Godfrey, Ill., 1907-12.

COULTER, CORNELIA CATLIN,.....Gulph Road, Bryn Mawr, Pa.

Holder of the President's European Fellowship, 1908-09. A.B., Washington University, 1907; Ph.D., Bryn Mawr College, 1911. Graduate Scholar in Latin, Bryn Mawr College, 1907-08, Fellow in Latin, 1909-10, and Fellow in Greek, 1910-11. Student, University of Munich, 1908-09. Reader in Latin, Bryn Mawr College, 1911-12.

ELLIS, ELLEN DEBORAH,.....Mt. Holyoke College, South Hadley, Mass.

Holder of the Bryn Mawr European Fellowship, 1901-02. A.B., Bryn Mawr College, 1901, group, History and Political Science, A.M., 1902, and Ph.D., 1905, subjects, Economics and Politics and History. Graduate Student, Bryn Mawr College, 1901-02, 1903-04; Fellow in Economics and Politics, 1904-05; Student, University of Leipsic, 1902-03; Instructor in History, Mt. Holyoke College, 1905-08; Associate Professor and Acting Head of the Department of History, 1908-09; Associate Professor of Pure Economics and Political Science, 1909-11, and Associate Professor of History and Political Science, 1911-12.

EMERY, ANNIE CROSBY,.....163 George Street, Providence, R. I.

Holder of the Bryn Mawr European Fellowship, 1892-93. A.B., Bryn Mawr College, 1892, group, Greek and Latin, and Ph.D., 1896, subjects, Latin and Greek. Graduate Student, Bryn Mawr College, 1892-93; Student, University of Leipsic, 1893-94; Secretary to the President, and Graduate Student, Bryn Mawr College, Second Semester, 1894-95, and 1895-96; Dean of Women and Assistant Professor of Classical Philology, University of Wisconsin, 1897-1900; Dean of the Women's College in Brown University, 1900-05; Alumnae Member of the Board of Directors of Bryn Mawr College, 1906-09.

Married, 1905, *Professor Francis Greenleaf Allison*.

FLEISHER, ELEANOR LOUIE,.....1715 Spruce Street, Philadelphia.

Holder of the Bryn Mawr European Fellowship, 1903-04. A.B., Bryn Mawr College, 1903, group, English and German. Graduate Student, Bryn Mawr College, 1903-04, 1906-07.

Married, 1908, *Dr. David Riesman*.

GILES, ELLEN ROSE,.....87 Via Roma, Sassari, Sardinia, Italy.

Holder of the President's European Fellowship, 1897-98. A.B. and A.M., Bryn Mawr College, 1896, group, Greek and Semitic Languages. Graduate Scholar in Semitic Languages, Bryn Mawr College, 1896-97, and Graduate Scholar in Philosophy, 1897-98; Student in Philosophy, University of Berlin, 1898-99, and Sorbonne, 1899; Private Tutor, 1899-1901; Editorial and Journalistic Work, 1901-06.

HALL, EDITH HAYWARD,.....Woodstock, Conn.

Holder of the Mary E. Garrett European Fellowship, 1903-04. A.B., Smith College, 1899; Ph.D., Bryn Mawr College, 1908, subjects, Archaeology and Greek. Teacher of Greek and History in Woodstock Academy, Woodstock, Conn., 1899-1900; Teacher of Latin and Greek in the Misses Shipley's School, Bryn Mawr, Pa., 1900-01 and 1905-09; Graduate Student, Bryn Mawr College, 1900-01, 1905-09, and Graduate Scholar, 1901-03; Holder of the Agnes Hoppin Memorial Fellowship and Student at the

- American School of Classical Studies, Athens, 1903-05. Instructor in Archaeology, Mount Holyoke College, Second Semester, 1908-09, 1909-11; Member of Expedition of the American School of Classical Studies, Athens, to Eastern Crete, 1910; excavating in Eastern Crete, Second Semester, 1910-11; Assistant Curator, University of Pennsylvania, 1912; Member of Archaeological Expedition to Crete, Second Semester, 1911-12.
- HAMILTON, EDITH, 1312 Park Avenue, Baltimore, Md.
Holder of the Mary E. Garrett European Fellowship, 1895-96. A.B. and A.M., Bryn Mawr College, 1894, group, Greek and Latin. Fellow in Latin, Bryn Mawr College, 1894-95; Student, Universities of Leipsic and Munich, 1895-96; Head Mistress of the Bryn Mawr School, Baltimore, 1896-1912.
- HAMILTON, MARGARET, 1312 Park Avenue, Baltimore, Md.
Holder of the Bryn Mawr European Fellowship, 1897-98. A.B., Bryn Mawr College, 1897, group, Chemistry and Biology. Sorbonne, 1898-99; Teacher of Science, Bryn Mawr School, Baltimore, 1900-12, and Head of the Primary Department, 1910-12.
- HARDY, CORA, 105 East 19th Street, New York City.
Holder of the Bryn Mawr European Fellowship, 1899-1900. A.B., Bryn Mawr College, 1899, group Latin and French. Student at the Sorbonne, Collège de France and University of Oxford, 1899-1900; Teacher of Greek and English in Ward Seminary, Nashville, Tenn., and Graduate Student, Vanderbilt University, 1902-03; Teacher of English and Literature in St. Timothy's School, Catonsville, Md., 1903-06.
Married, 1906, *Mr. Edwin Seton Jarrett*.
- HARRISON, JANE ANNETTA, La Plata, Mo.
Holder of the Ottendorfer Memorial Research Fellowship in Teutonic Philology, 1910-11. A.B. and B.S., University of Missouri, 1906, and A.M., 1907. Graduate Student, University of Missouri, 1908-09; Fellow in German, Bryn Mawr College, 1909-10; University of Berlin, 1910-11; Teacher in the High School, St. Charles, Mo., 1911-12.
- HARMON, ESTHER, 2139 Glenwood Avenue, Toledo, O.
Holder of the President's European Fellowship, 1907-08. A.B., University of Michigan, 1906. Graduate Scholar in Teutonic Philology, Bryn Mawr College, 1906-07; Student, University of Berlin, 1907-08; Fellow in German, Bryn Mawr College, 1908-09; Ottendorfer Memorial Research Fellow in Teutonic Philology and Student, University of Munich, 1909-10; Teacher in the High School, Toledo, 1910-12.
- HILL, VIRGINIA GREER,
The Hamilton Apartments, 34th and Hamilton Streets, Philadelphia.
Holder of the Bryn Mawr European Fellowship, 1907-08. A.B., Bryn Mawr College, 1907, group, Latin and Mathematics. Student, University of Zürich, 1907-08; Teacher of Latin and Mathematics in the Agnes Irwin School, Philadelphia, 1908-12.
- LAIRD, ELIZABETH REBECCA, . Mt. Holyoke College, South Hadley, Mass.
Holder of the President's European Fellowship, 1898-99. A.B., University of Toronto, 1896; Ph.D., Bryn Mawr College, 1901, subjects, Physics and Mathematics. Teacher in Ontario Ladies' College, 1896-97; Fellow in Physics, Bryn Mawr College, 1897-98; Student, University of Berlin, 1898-99; Graduate Scholar and Fellow by Courtesy in Mathematics and Physics, Bryn Mawr College, 1900-01; Instructor in Physics, Mount Holyoke College, 1901-03, Acting Head of the Department of Physics, 1903-04, and Professor of Physics, 1904-12.
- LANGENBECK, CLARA, The Nelson, Walnut Hills, Cincinnati, O.
Holder of the President's European Fellowship, 1896-97. Ph.G., Cincinnati College of Pharmacy, 1890; S.B., University of Cincinnati, 1895. Fellow in Biology, Bryn Mawr College, 1895-96; Student, University of Marburg, 1896-98; Professor of Biology, Wells College, 1898-1901; Instructor in the Cincinnati College Preparatory School for Girls, 1901-11; Fellow by Courtesy and Graduate Scholar in Biology, Bryn Mawr College, 1911-12.
- LEFTWICH, FLORENCE, Biltmore, N. C.
Holder of the Bryn Mawr European Fellowship, 1895-96. Wellesley College, 1884-85. A.B., Bryn Mawr College, 1895, group, French and Latin, and Ph.D., 1906, subjects, Old French, Latin, and Spanish. Student, Sorbonne and Collège de France, 1895-96; Mistress of Modern Languages, Mississippi Industrial Institute and College, Columbus, Miss., 1896-98; Fellow by Courtesy in Romance Languages, Bryn Mawr College, 1898-99; Holder of the European Fellowship of the Baltimore Association for the Promotion of the University Education of Women, and Student, University of Zürich, 1899-1900; Teacher of French in the Bryn Mawr School, Baltimore, Md., 1900-01; Graduate Student, Bryn Mawr College, 1902; Fellow in Romance Languages, Bryn Mawr College, 1902-03.
Married, 1903, *Mr. S. Prioleau Ravenel*.

LEWIS, FLORENCE PARTHENIA, . . . 2326 N. Charles Street, Baltimore, Md.

Holder of the President's European Fellowship, 1899-1900. A.B., University of Texas, 1897, and A.M., 1898; A.M., Radcliffe College, 1906. Fellow in Philosophy, Bryn Mawr College, 1898-99; Student, Sorbonne and Collège de France, 1899-1900; Teacher in the University Preparatory School, Austin, Tex., 1900-02; Student, University of Texas, 1901-03; Tutor in Mathematics, University of Texas, 1902-05; Fellow of the Baltimore Association for the Promotion of the University Education of Women and Graduate Student, Johns Hopkins University, 1907-09; Instructor in Mathematics, Goucher College, 1910-11, and Assistant Professor of Mathematics, 1911-12.

LEWIS, MAYONE, 4324 Pine Street, Philadelphia.

Holder of the Bryn Mawr European Fellowship, 1908-09. A.B., Bryn Mawr College, 1908. Student, Universities of Munich and Paris, 1908-09; Teacher of English, Rosemary Hall, Greenwich, Conn., 1909-12.

LOWENGRUND, HELEN MOSS, 1827 North 18th Street, Philadelphia.

Holder of the Bryn Mawr European Fellowship, 1906-07. A.B., Bryn Mawr College, 1906, group, Latin and English, and A.M., 1907. Graduate Scholar in Latin, Bryn Mawr College, 1906-07; Graduate Scholar in English, 1907-08, and Graduate Student in English, 1909-10; Teacher of History in the Girls' High School, Philadelphia, 1909-10, and of English, 1911-12; Research Student in British Museum, 1910-11.

MADDISON, ISABEL, Bryn Mawr, Pa.

Holder of the Mary E. Garrett European Fellowship, 1894-95. University College of South Wales and Monmouthshire, 1885-89; Girton College, University of Cambridge, England, 1889-92; Mathematical Tripos, First Class, 1892; Oxford Mathematical Final Honour School, 1892; B.Sc., University of London, Mathematical Honours, 1893; Ph.D., Bryn Mawr College, 1896, subjects, Mathematics, Applied Mathematics and Physics; A.B., Trinity College, Dublin, 1905. Graduate Student in Mathematics, Bryn Mawr College, 1892-93, and Fellow in Mathematics, 1893-94; Student in Mathematics, University of Göttingen, 1894-95; Assistant Secretary to the President, Bryn Mawr College, 1895-96; Secretary to the President, and Reader in Mathematics, 1896-1904; Assistant to the President, and Reader in Mathematics, 1904-06, and Assistant to the President and Associate in Mathematics, 1906-10; Recording Dean and Assistant to the President, 1910-12.

MARTIN, EMILIE NORTON, Mt. Holyoke College, South Hadley, Mass.

Holder of the Mary E. Garrett European Fellowship, 1897-98. A.B., Bryn Mawr College, 1894, group, Latin and Mathematics, and Ph.D., 1901, subjects, Mathematics and Physics. Graduate Student, Bryn Mawr College, First Semester, 1894-95, 1896-97, 1901-02; Teacher of Latin in the Bryn Mawr School, Baltimore, Md., January-June, 1895; Fellow in Mathematics, Bryn Mawr College, 1895-96; Student, University of Göttingen, 1897-98; Fellow by Courtesy in Mathematics, Bryn Mawr College, 1898-99; Teacher of Mathematics in the Misses Kirk's School, Rosemont, Pa., 1899-1900; Private Tutor, 1899-1903; Graduate Student, Bryn Mawr College, and Private Tutor, 1906-07; Instructor in Mathematics, Mt. Holyoke College, 1903-04, First Semester, 1904-05, 1907-11, and Associate Professor of Mathematics, 1911-12.

MORSE, KATE NILES, 24 Park Street, Haverhill, Mass.

Holder of the Mary E. Garrett European Fellowship, 1901-02. A.B., Mt. Holyoke College, 1898, and A.M., 1900. Graduate Student, Bryn Mawr College, 1898-99; Fellow in Greek, Bryn Mawr College, 1900-01; Universities of Berlin and Munich, and American School of Classical Studies, Athens, 1901-02; Graduate Student, Radcliffe College, 1903, 1906-07.

NICHOLS, HELEN HAWLEY, Wellesley College, Wellesley, Mass.

Holder of the Mary E. Garrett European Fellowship, 1908-09. A.B., Marietta College, 1906; Ph.D., Bryn Mawr College, 1911, subjects, Hebrew, Aramaic and New Testament Greek. Graduate Student, Bryn Mawr College, 1906-07, and Graduate Scholar in Semitic Languages, 1907-08, 1909-10; Student, University of Oxford, 1908-09; Instructor in Biblical Literature, Wellesley College, 1911-12.

NOWLIN, NADINE, 1144 Louisiana Street, Lawrence, Kan.

Holder of the President's European Fellowship, 1906-07. A.B. and A.M., University of Kansas, 1903. Fellow in Biology, Bryn Mawr College, 1905-06; Demonstrator in Biology, University of Kansas, 1906-08; Graduate Student, University of Munich, 1908-09; Zoological Station, Naples, 1909; Instructor in Zoology, University of Kansas, 1910-12.

PARK, MARION EDWARDS, Oberlin, O.

Holder of the Bryn Mawr European Fellowship, 1898-99. A.B., Bryn Mawr College, 1898, group, Greek and English, and A.M., 1899. Graduate Student, Bryn Mawr College, 1898-99; Graduate Student, Autumn Quarter, University of Chicago, 1900-01;

American School of Classical Studies, Athens, Greece, 1901-02; Instructor in Classics, Colorado College, 1902-03, 1904-06, and Acting Dean of Women, 1903-04; Teacher of English in Miss Wheeler's School, Providence, R. I., 1906-07, and of Classics, 1907-10; Acting Dean of Bryn Mawr College, 1911-12.

PARRIS, MARION, Bryn Mawr, Pa.

Holder of Bryn Mawr College Research Fellowship, 1906-07. A.B., Bryn Mawr College, 1901, and Ph.D., 1909, subjects, Economics and Politics and Philosophy. Private Tutor, 1901-02; Warden of Summit Grove, Bryn Mawr College, 1902-04, and of Rockefeller Hall, 1904-05; Graduate Student, Bryn Mawr College, 1902-05; Fellow in Economics, Bryn Mawr College, 1905-06; Student, University of Vienna, 1906-07; Reader in Economics and Politics, Bryn Mawr College, 1907-08, Associate in Economics and Politics, 1908-11, and Associate Professor, 1911-12.

PEEBLES, FLORENCE, See page 19.

Holder of the Mary E. Garrett European Fellowship, 1898-99.

PERKINS, ELIZABETH MARY, 2400 Van Ness Avenue, San Francisco, Cal.

Holder of the Bryn Mawr European Fellowship, 1900-01. A.B., Bryn Mawr College, 1900, group, Greek and Latin, and Ph.D., 1904, subjects, Latin and Greek. Graduate Student, Bryn Mawr College, 1900-01; Student, Universities of Berlin and Munich, 1901-02; Fellow in Latin, Bryn Mawr College, 1902-03; Teacher of Latin and German in the Western High School, Washington, 1903-04, of Latin, 1904-05, and of Greek and Latin, 1905-06; Instructor in Latin, Vassar College, 1906-07; Graduate Student, Columbia University, 1907-08; Tutor in Latin, High School Department, Normal College, New York City, 1907-09; on leave of absence, 1909-10.

Married, 1910, *Mr. Eric Charles William Scheel Lyders*.

RAGSDALE, VIRGINIA, Jamestown, N. C.

Holder of the Bryn Mawr European Fellowship, 1896-97. S.B., Guilford College, 1892. Graduate Scholar in Mathematics, Bryn Mawr College, 1892-93, and Graduate Student, Bryn Mawr College, 1893-97. A.B., Bryn Mawr College, 1896; Ph.D., 1906. Assistant Demonstrator in Physics, Bryn Mawr College, 1896-97; Student, University of Göttingen, 1897-98; Teacher of Science and Mathematics in the Bryn Mawr School, Baltimore, Md., 1898-1900, and Assistant Teacher of Mathematics, 1900-01; Holder of Fellowship of the Baltimore Association for the Promotion of the University Education of Women, Graduate Scholar, and Fellow by Courtesy in Mathematics, Bryn Mawr College, 1901-02; Fellow in Mathematics, Bryn Mawr College, 1902-03; Teacher of Mathematics in Dr. J. Sachs's School for Girls, New York City, 1903-05; Teacher of Mathematics in the Baldwin School, Bryn Mawr, Pa., 1906-11, and Reader in Mathematics, Bryn Mawr College, 1908-10, and Fellow by Courtesy, 1910-11.

REIMER, MARIE, 420 West 118th Street, New York City.

Holder of the Mary E. Garrett European Fellowship, 1902-03. A.B., Vassar College, 1897, and Ph.D., Bryn Mawr College, 1903, subjects, Chemistry and Physiology. Graduate Scholar in Chemistry, Vassar College, 1897-98; Assistant in the Chemical Laboratory, Vassar College, 1898-99; Fellow in Chemistry, Bryn Mawr College, 1899-1900, 1901-02; Graduate Scholar and Fellow by Courtesy in Chemistry, Bryn Mawr College, 1900-01; Student, University of Berlin, 1902-03; Lecturer in Chemistry, Barnard College, 1903-04, Instructor in Chemistry, 1904-09; Adjunct Professor of Chemistry, 1909-10, and Associate Professor, 1910-12.

SAMPSON, LILIAN VAUGHAN, 409 West 117th Street, New York City.

Holder of the Bryn Mawr European Fellowship, 1891-92. A.B., Bryn Mawr College, 1891, group, Mathematics and Physics, and A.M., 1894. Student, University of Zurich, 1892-93; Graduate Student, Bryn Mawr College, 1891-92, and 1893-99; Research Work in Biology, 1904-06.

Married, 1904, *Professor Thomas Hunt Morgan*.

SANDISON, HELEN ESTABROOK, Low Buildings, Bryn Mawr, Pa.

Holder of Special European Fellowship, 1909-10. A.B., Bryn Mawr College, 1906, and A.M., 1907. Graduate Scholar, Bryn Mawr College, 1906-07; Assistant Principal of the High School, Brookville, Ind., 1907-08; Fellow in English, Bryn Mawr College, 1908-09, and Fellow by Courtesy and Scholar in English, 1910-11; Student, University of Oxford, 1909-10; Reader in English, Bryn Mawr College, 1911-12.

SCHAEFFER, HELEN ELIZABETH, Bryn Mawr, Pa.

Holder of the Mary E. Garrett European Fellowship, 1905-06. A.B., Dickinson College, 1903, and A.M., 1905; Ph.D., Bryn Mawr College, 1908. Graduate Scholar in Mathematics, Bryn Mawr College, 1903-04, and Graduate Student in Physics, 1907-08, 1909-11; Fellow in Physics, Bryn Mawr College, 1904-05; Student, University of Göttingen, 1905-06; Demonstrator in Physics, Bryn Mawr College, 1906-07; Teacher in the Baldwin School, Bryn Mawr, 1907-08, 1911-12; Reader in Mathematics, Bryn Mawr College, Second Semester, 1909-10, 1911-12.

Married, 1908, *Dr. William Bashford Huff*.

SCHENCK, EUNICE MORGAN,

317 Springfield Avenue, Chestnut Hill, Philadelphia.

Holder of President's European Fellowship, 1910-11. A.B., Bryn Mawr College, 1907. Graduate Student, Bryn Mawr College, 1908-09, and Scholar in French, 1909-10; Universities of Paris and Madrid, 1910-12.

SCHMIDT, GERTRUD CHARLOTTE, Bryn Mawr, Pa.

Holder of the President's European Fellowship, 1904-05. B.L., University of Wisconsin, 1900. Graduate Student, Radcliffe College, 1900-01, 1902-03; A.M., Radcliffe College, 1903; Assistant in German, Smith College, 1901-02; Graduate Student, Bryn Mawr College, 1903-05, 1906-09; Teacher of German in Miss Wright's School, Bryn Mawr, Pa., 1903-05, 1906-12; Student, University of Leipsic, 1905-06, University of Grenoble, Summer, 1905.

SHEARER, EDNA ASTON, 35 Summit Grove Avenue, Bryn Mawr, Pa.

Holder of the President's European Fellowship, 1905-06. A.B., Bryn Mawr College, 1904, group, English and Philosophy. Junior Fellow in Philosophy, Bryn Mawr College, 1904-05; Student, Universities of Edinburgh and Aberdeen, 1905-06; Fellow in Philosophy, Bryn Mawr College, 1906-07; Teacher of English in the Baldwin School, Bryn Mawr, Pa., 1907-10, and Graduate Student, Bryn Mawr College, 1907-08, 1909-10; Reader in English, Bryn Mawr College, 1910-12.

SHIELDS, EMILY LEDYARD, 1902 West 6th Street, Los Angeles, Cal.

Holder of the Bryn Mawr European Fellowship, 1905-06. A.B., Bryn Mawr College, 1905, group, Greek and Mathematics, and A.M., 1906. Graduate Student, Bryn Mawr College, 1905-06; Recording Secretary and Appointment Secretary, Bryn Mawr College, 1906-07; Student, University of Oxford, and University of Berlin, 1907-08; Teacher of Greek and Mathematics in the Bryn Mawr School, Baltimore, Md., 1909-12.

SHIPLEY, KATHARINE MORRIS, Bryn Mawr, Pa.

Holder of the Bryn Mawr European Fellowship, 1890-91. A.B., Bryn Mawr College, 1890, group, Latin and English. Student in Latin and English, University of Leipsic, 1890-91; Sorbonne and Collège de France, 1891-92; Newnham College, University of Cambridge, England, May Term, 1892; Associate Principal and Supervisor of English in the Misses Shipley's School, Bryn Mawr, Pa., 1894-1912.

STEVENS, NETTIE MARIA, Bryn Mawr, Pa.

Holder of the President's European Fellowship, 1901-02. A.B., Leland Stanford, Jr., University, 1899, and A.M., 1900; Ph.D., Bryn Mawr College, 1903, subjects, Morphology and Physiology. Student in the Hopkins Seaside Laboratory, Pacific Grove, Cal., summers, 1897, 1898, and 1899; Graduate Scholar in Biology, Bryn Mawr College, 1900-01; Student, Zoological Station, Naples, 1901-02, March to May, 1909, University of Würzburg, 1902; Fellow in Biology, Bryn Mawr College, 1902-03; Research Fellow in Biology, Bryn Mawr College, First Semester, 1903-04; Reader in Experimental Morphology, Bryn Mawr College, 1904-05, and Associate in Experimental Morphology, 1905-12; Carnegie Research Assistant, 1904-06; Alice Freeman Palmer Research Fellow and Student, University of Würzburg, on leave of absence, 1908-09.

STITES, SARA HENRY, 78 South Franklin Street, Wilkes Barre, Pa.

Holder of the President's European Fellowship, 1900-01. A.B., Bryn Mawr College, 1899, group, History and Political Science, A.M., 1900, and Ph.D., 1905, subjects, Economics and Politics and History. Graduate Scholar in History and Political Science, Bryn Mawr College, 1899-1900; Student at the Sorbonne and Collège de France, 1900-01; University of Leipsic, 1901-02; Graduate Scholar and Fellow by Courtesy in Political Science, Bryn Mawr College, 1902-04; Co-Principal of the Wilkes Barre Institute, Wilkes Barre, Pa., 1904-12.

SWINDLER, MARY HAMILTON, 329 West 11th Street, Connersville, Ind.

Holder of the Mary E. Garrett European Fellowship, 1909-10. A.B., University of Indiana, 1905, and A.M., 1906. Graduate Scholar in Greek, Bryn Mawr College, 1906-07, and Fellow in Greek, 1907-09; Student, Universities of Oxford and Berlin, and American School of Classical Studies, Athens, 1909-10; Teacher of Latin in the Misses Shipley's School, Bryn Mawr, Pa., 1910-11; Reader in Latin, Bryn Mawr College, 1911-12.

TRAVER, HOPE, 26 Oakland Terrace, Hartford, Conn.

Holder of the Mary E. Garrett European Fellowship, 1904-05. A.B., Vassar College, 1896; Ph.D., Bryn Mawr College, 1907, subjects, English and History. Graduate Student, Bryn Mawr College, and Private Tutor, Whitford, Pa., 1901-02; Graduate Scholar, Bryn Mawr College, and Teacher of English in Miss Wright's School, Bryn Mawr, Pa., 1902-03; Fellow in English, Bryn Mawr College, 1903-04; Student, University of Munich, 1904-05, and First Semester, 1905-06; Graduate Scholar and Fellow by Courtesy, Bryn Mawr College, Second Semester, 1905-06; Teacher of English in Huntington Hall, Los Angeles, Cal., 1906-09; Teacher of English Literature, Mills College, California, 1909-12.

WADE, CLARA LOUISE WHIPPLE, 646 Park Avenue, New York City.

Holder of the Bryn Mawr European Fellowship, 1904-05. A.B., Bryn Mawr College, 1904, group, Greek and Latin. Scholar in Latin, Bryn Mawr College, and Private Tutor, 1904-05; Student, University of Munich, 1905-06; Graduate Student, Bryn Mawr College, and Private Tutor, 1906-09; Teacher of Latin and German in the Misses Shipley's School, Bryn Mawr, Pa., 1907-10; Teacher of Latin and Greek in Miss Knox's School, Briarcliff Manor, N. Y., 1910-11, and in the Charlton School, New York City, 1911-12.

WARREN, WINIFRED, 805 Comstock Avenue, Syracuse, N. Y.

Holder of the Mary E. Garrett European Fellowship, 1896-97. A.B., Boston University, 1891, and A.M., 1894; Ph.D., Bryn Mawr College, 1898, subjects, Greek and Latin. Fellow in Latin, Bryn Mawr College, 1893-94, and Fellow by Courtesy in Latin, 1894-96; Student in Classical Philology, Universities of Munich and Berlin, 1896-97; Instructor in Latin, Vassar College, 1897-1902.

Married, 1902, *Mr. George Arthur Wilson.*

WEUSTHOFF, ANNA SOPHIE, See page 19.

Holder of Special Ottendorfer Memorial Research Fellowship in Teutonic Philology, 1907-08. Holder of Ottendorfer Memorial Research Fellowship in Teutonic Philology, 1908-09.

Former Resident Fellows.

ALBERT, GRACE, The Students' Inn, Bryn Mawr, Pa.

Fellow in History, 1903-04. A.B., Bryn Mawr College, 1897, group, Greek and Latin, and A.M., 1903. Private Tutor, 1897-99; Teacher of Latin in the Misses Shipley's School, Bryn Mawr, Pa., 1899-1901, of History, 1905-06, and Secretary, 1901-02; Graduate Student, Bryn Mawr College, 1901-02, and 1904-08; Graduate Scholar in History and Economics and Politics, 1902-03; Fellow in History and Student, University of London, engaged in research work in the Public Records Office, London, and in the University of Oxford, 1903-04; Head of Department of History in the Misses Shipley's School, Bryn Mawr, 1906-12.

ATKINSON, MABEL, 26 Denning Road, Hampstead, London, England.

Fellow in Economics and Politics, 1902-03. A.M., Glasgow University, 1900. Holder of Research Studentship, London School of Economics, 1900-02; Classical Mistress, High School, Newcastle, England, 1903-04; Lecturer in Philosophy and Assistant to the Professor of Classics, Armstrong College, University of Durham, 1904-08; Member of the Board of Faculties, University of Durham, 1905-07; Honorary Secretary, Settlement Association, Newcastle-on-Tyne, 1906-07; Lecturer in Economics, King's College, London, 1908-11, and Lecturer in Economics to the Woman's Educational Association, London, 1910-11.

AVEN, ANNA WARD, 403 E. Market Street, Greenwood, Miss.

Fellow in Latin, 1908-09. A.B., Mississippi College, 1905. Graduate Student in Greek and Latin, Bryn Mawr College, 1906-07, and Graduate Scholar in Latin, 1907-08. Instructor in Latin, Hillman College, Clinton, Miss., 1905-06; Head of Normal Department, Mississippi State College for Women, 1909-10.

Married, 1910, *Mr. William Madison Whittington.*

BAKER, MABEL WHITMAN, 3100 Newark Street, Washington, D. C.

Fellow in Latin, 1896-97. Columbian University, 1893-95; Teacher in Norwood Institute, Washington, 1895-96; Teacher of Latin in the Western High School, Washington, 1897-1903.

Married, 1903, *Mr. Alfred Hulse Brooks.*

BANCROFT, JANE M., 425 Cass Avenue, Detroit, Mich.

Fellow in History, 1885-86. Ph.B., Syracuse University, 1877, Ph.M., 1880, and Ph.D., 1884. Professor of French Language and Literature, Northwestern University, 1877-85; University of Zürich, 1886-87; Sorbonne and Collège de France, 1888.

Married, 1891, *Mr. George O. Robinson.*

BARTLETT, HELEN, 204 Randolph Avenue, Peoria, Ill.

Fellow in English, 1893-94. Newnham College, University of Cambridge, England, 1889; studied in Berlin, 1882-84, and 1890. A.B., Bryn Mawr College, 1892, group, English and German, A.M., 1893, and Ph.D., 1896, subjects, English and German. Graduate

Student, Bryn Mawr College, 1892-93, 1894-95; Holder of the American Fellowship of the Association of Collegiate Alumnae, 1894-95; Instructor in German and French in the Portland Academy, Portland, Ore., 1896-97; Dean of Women, Head of the Modern Language Department and Assistant Professor of German in the Bradley Polytechnic Institute, Peoria, Ill., 1897-1904; Dean of Women, Head of the Modern Language Department, and Professor of German, 1904-11; Student, University of Berlin, 1905; Travelling in Europe on leave of absence, 1907-10, and in California and New Mexico, 1910-11.

DE BEAUREGARD, ESTHER TONTANT, 117 Collier Street, Toronto, Canada.

Fellow in Romance Languages, 1894-95. A.B., University of Toronto, 1894; Ontario Normal College, 1895-96; Teacher of Modern Languages, Niagara Falls Collegiate Institute, 1896-1900; Graduate Student in English, University of Pennsylvania, 1900-01; Teacher of English and French in Mrs. Chapman and Miss Jones's School, Chestnut Hill, Philadelphia, 1904-05.

Married, 1905, *Mr. Percy James Robinson*.

BECKWITH, MINNIE ADA, Lancaster Inn, Bryn Mawr, Pa.

Fellow in Latin, 1903-04. A.B., University of Chicago, 1902. Graduate Scholar, University of Chicago, 1902-03; Graduate Student, Bryn Mawr College, 1907-08; Teacher of Latin and Greek in Miss Florence Baldwin's School, Bryn Mawr, Pa., 1904-12.

BENNESON, CORA AGNES, 3 Phillips Place, Cambridge, Mass.

Fellow in History, 1887-88. A.B., University of Michigan, 1878, LL.B., 1880, and A.M., 1883. Graduate Student, Radcliffe College, 1897-1902; Attorney and Counsellor-at-Law, Cambridge, 1894-1912; Special Commissioner in Massachusetts, 1895-1909.

BLAKE, SUE AVIS, Merion, Pa.

Fellow in Physics, 1906-07. A.B., Bryn Mawr College, 1898, group, Mathematics and Physics, and A.M., 1900. Demonstrator and Graduate Student in Physics, Bryn Mawr College, 1898-99, 1904-06; Graduate Student, Bryn Mawr College, and Teacher of Mathematics and Science in the Misses Shipley's School, Bryn Mawr, Pa., 1899-1900; Assistant in Physics, Smith College, 1900-02, 1903-04; Fellow in Physics, University of Pennsylvania, 1907-08; Private Tutor, 1909-10; Instructor in Physics, Smith College, 1910-12.

BLANCHARD, ELIZABETH MILLER, Bellefonte, Pa.

Fellow in Mathematics, 1889-90. A.B., Bryn Mawr College, 1889, group, Greek and Mathematics. Teacher of Mathematics in the Bryn Mawr School, Baltimore, Md., 1891-92; Teacher of Mathematics in the Misses Shipley's School, Bryn Mawr, Pa., 1895-1908, and in Miss Irwin's School, Philadelphia, 1896-1908; Graduate Student, Bryn Mawr College, 1902-03; Assistant Manager of the Bellefonte Basket Shop, 1908-12.

BORING, ALICE MIDDLETON, See page 20.

Fellow in Biology, 1906-07.

BOURLAND, CAROLINE BROWN, See page 20.

Fellow in Romance Languages, 1898-99.

BOWERMAN, HELEN COX, Point Pleasant, N. J.

Fellow in Archaeology, 1909-11. A.B., Mount Holyoke College, 1901; A.M., University of Rochester, 1903. Teacher of English and Latin in the High School, Macedon, N. Y., 1903-05; Instructor in Latin, Western College for Women, Oxford, O., 1905-07; Associate Professor of Latin, 1907-08; Graduate Scholar in Archaeology, Bryn Mawr College, 1908-09; Fellow by Courtesy, 1911-12; University of Bonn, Summer, 1909; American School of Classical Studies, Rome, 1910-11.

BRAMHALL, EDITH CLEMENTINE, Rockford College, Rockford, Ill.

Fellow in History, 1898-99. A.B., University of Indiana, 1895; A.M., University of Pennsylvania, 1896, and Ph.D., 1898; Teacher of History in the Manual Training High School, Indianapolis, Ind., 1899-1900; Instructor in History and Economics, Rockford College, 1900-02, and Professor, 1902-12.

BROMBACHER, CAROLINE GARNAR,

177 Woodruff Avenue, Brooklyn, New York City.

Fellow in Greek, 1896-97. A.B., Barnard College, 1895. Assistant Teacher of Mathematics and Latin in the Erasmus Hall High School, Brooklyn, 1897-99, of Mathematics and Greek, 1899-1901, and of Greek, 1901-06; Graduate Student, Columbia University, 1903-04.

Married, 1906, *Mr. Sidney G. Stacey*.

BROOKS, HARRIET, See page 20.

Fellow in Physics, 1901-02.

BROWNELL, JANE LOUISE, Bryn Mawr, Pa.

Fellow in Political Science, 1893-94. A.B., Bryn Mawr College, 1893, group, History and Political Science, and A.M., 1894. Teacher of Mathematics in the Bryn Mawr School, Baltimore, Md., 1894-1902, and Associate Mistress, 1897-1902; Associate Principal of Miss Florence Baldwin's School, Bryn Mawr, 1902-06; Head of the Baldwin School, Bryn Mawr, 1906-12.

BRUSSTAR, MARGARET ELIZABETH, 2123 North 17th Street, Philadelphia.

Fellow in Mathematics, 1910-11. A.B., Bryn Mawr College, 1903. Teacher of Latin and Mathematics, Miss Gleim's School, Pittsburgh, Pa., 1903-04; Teacher of Mathematics in the Misses Shipley's School, Bryn Mawr, Pa., 1904-10; Graduate Scholar in Mathematics, Bryn Mawr College, 1907-08, and Graduate Student, 1908-10; Mary E. Garrett European Fellow and Student, University of Göttingen, 1911-12.

BURNLEY, MARY CLOYD, 1029 Grove Street, Evanston, Ill.

Fellow in Chemistry, 1897-98. A.B., Woman's College of Baltimore, 1897, and A.M., 1899. Assistant in Chemistry, Vassar College, 1898-1900, and Instructor in Chemistry, 1900-1908; Research Fellow in Chemistry, Bryn Mawr College, 1908-09.

Married, 1909, *The Rev. James Madison Stifter*.

BYRNES, ESTHER FUSSELL,

193 Jefferson Avenue, Brooklyn, New York City.

Fellow in Biology, 1894-95. A.B., Bryn Mawr College, 1891, group, Chemistry and Biology, A.M., 1894, and Ph.D., 1898, subjects, Morphology and Physiology. Assistant in Biological Laboratory, Vassar College, 1891-93; Graduate Scholar in Biology, Bryn Mawr College, 1893-94, and Graduate Student in Biology, 1895-97; Teacher of Physiology and Zoology in the Girls' High School, Brooklyn, New York City, 1897-1912; Fellow of the New York Academy of Science; Chairman of the Section of Biology of the New York State Science Teachers' Association, 1906.

CADY, MARY LOUISE, See page 21.

Fellow in Greek, 1905-06.

CAM, HELEN MAUD, Paulers Pury Rectory, Towcester, England.

Fellow in History, 1908-09. B.A., University of London, 1908, and M.A., 1909. Royal Holloway College, 1904-07. Assistant Mistress, Cheltenham Ladies' College, 1909-12.

CHAMBERLAIN, ETHEL MARY, 915 North Broad Street, Galesburg, Ill.

Fellow in Philosophy, 1908-09. A.B., Lombard College, 1906. Graduate Student, University of Chicago, 1906-08, 1910-11, and Fellow in Psychology, 1909-10.

Married, 1911, *Mr. Gail Quincy Porter*.

CLARK, MABEL PARKER, 145 West 78th Street, New York City.

Fellow in English, 1889-90. A.B., Bryn Mawr College, 1889, group, Greek and English, and A.M., 1890. Reader in English, and Graduate Student, 1890-93; Graduate Student, Barnard College, 1893-94.

Married, 1894, *Dr. John Henry Huddleston*.

CLARKE, MARY PATTERSON, 721 Illinois Street, Lawrence, Kan.

Fellow in History, 1906-07. A.B., University of Kansas, 1904, and A.M., 1905. Graduate Student, University of Kansas, 1904-05, and Fellow in History, 1905-06; Principal and Teacher of History in the High School, Cartersville, Mo., 1907-08; Teacher of History in the High School, Perry, Okla., 1910-12.

CLOUGH, IDA PRESCOTT, 37 Cedar Street, Somerville, Mass.

Fellow in Latin, 1900-01. A.B., Radcliffe College, 1896, and A.M., 1900. Graduate Student, Radcliffe College, 1899-1900; University of Berlin, 1901-02.

COLE, ANNA LEWIS, 1828 Mt. Vernon Street, Philadelphia.

Fellow in Romance Languages, 1895-96. A.B., Woman's College of Baltimore, 1892, and A.M., 1894. Student in English and French, Sorbonne, 1894-95; Head Teacher of Modern Languages, Winthrop Normal and Industrial College, Rock Hill, S. C., 1897-1903, 1904-05; Fellow in Romance Languages, University of Chicago, 1903-04; Head of French Department, Friends' Central School, Philadelphia, 1905-07; Graduate Student, Bryn Mawr College, 1906-07, 1910-11, and University of Pennsylvania, 1906-07; Teacher of French in Sweet Briar Institute, Sweet Briar, Va., 1907-08, and Head of French Department, 1908-10; Instructor in French in the Girls' High School, Philadelphia, 1910-12.

COLIN, THÉRÈSE F., Wellesley College, Wellesley, Mass.

Fellow in Romance Languages, 1893-94. Diplômée et agrégée, Collège de Neuchâtel, 1875; A.M., Leland Stanford, Jr., University, 1893; Ph.D., University of Pennsylvania,

1897; Officier de l'Instruction Publique, Paris, 1906; Muséum d'Histoire Naturelle, Paris, 1883-85; University of the City of New York, 1887-88; Reader in Romance Languages, and Graduate Student, Bryn Mawr College, 1894-96; Student in Romance Philology and Literature, Sorbonne, Collège de France, Ecole des Hautes Etudes, Ecole des Chartes, Paris, 1895; Head of French Department in Miss Florence Baldwin's School, Bryn Mawr, Pa., 1896-1904; Associate Professor of French, Wellesley College, 1904-06, Professor-Elect, 1906-07, and Professor of French Language and Literature, 1907-12, and Head of the Department of French, 1905-12; Professor of French Language and Literature, University Extension Department of Harvard University, 1910-11.

Married, —, *Mr. Alfred Colin*.

COOPER, ELVA, 942 Winchester Street, Milwaukee, Wis.

Fellow in Mathematics, 1907-08. A.B., University of Wisconsin, 1904, and A.M., 1906. Student in Mathematics, University of Wisconsin, 1905-06, Graduate Scholar in Mathematics, and Teacher of Mathematics, 1906-07. Instructor in Mathematics, University of Washington, 1908-10, and University of Colorado, 1910-12.

COULTER, CORNELIA CATLIN, See page 21.

Fellow in Latin, 1909-10; Fellow in Greek, 1910-11.

CUMMINGS, LOUISE D.,

256 Main Street, East, Hamilton, Ontario, Canada.

Fellow in Mathematics, 1898-99. A.B., University of Toronto, 1895, and A.M., 1902. Fellow, University of Pennsylvania, 1896-97; Examiner in Mathematics, University of Toronto, 1897; Graduate Student, University of Chicago, 1897-98; Fellow by Courtesy in Mathematics, Bryn Mawr College, 1900; Instructor in Mathematics, St. Margaret's College, Toronto, Ont., 1901-02; Instructor in Mathematics, Vassar College, 1902-12; Graduate Scholar, Bryn Mawr College, First Semester, 1905-06.

DAVIS, SARAH WHITE, Lapeer, Mich.

Fellow in History, 1910-11. A.B., Mt. Holyoke College, 1909. Graduate Student, Mt. Holyoke College, 1909-10; Student, University of Oxford, 1911-12.

DENIS, WILLEY, 1420 General Taylor Street, New Orleans, La.

Fellow in Chemistry, 1902-03. A.B., Tulane University, 1899, and A.M., 1902; Ph.D., University of Chicago, 1907. Graduate Student, Bryn Mawr College, 1899-1901; Tulane University, 1901-02, 1903-04, University of Chicago, 1905-07; Assistant Chemist, U. S. Department of Agriculture, Bureau of Foods, 1907-09; Research Assistant, Harvard Medical School, 1910-12.

DOVER, MARY VIOLETTE, Mt. Holyoke College, South Hadley, Mass.

Fellow in Chemistry, 1905-06. A.B., McGill University, 1898, and M.Sc., 1900; Ph.D., University of Breslau, 1908. Instructor in Chemistry, Mt. Holyoke College, 1909-12.

DUDLEY, LOUISE, Georgetown, Ky.

Fellow in English, 1906-07. A.B., Georgetown College, 1905; Ph.D., Bryn Mawr College, 1911. Graduate Student, Bryn Mawr College, 1905-06, and Graduate Scholar, 1910. Teacher of Mathematics and Latin in Kemper Hall, Kenosha, Wis., 1908-09; Instructor in English Literature, Mt. Holyoke College, 1910-12.

EDDY, HELEN MAY, Marengo, Ia.

Fellow in Latin, 1904-05. A.B., University of Iowa, 1900, and A.M., 1903. Fellow in Latin, University of Iowa, 1901-04. Teacher of Latin in the High School, Fairfield, Ia., 1905-06, and of Latin and Greek in the Winona Park School for Women, Winona Lake, Ind., 1906-08; Teacher of Latin and German in the State Normal School, Mayville, N. D., 1908-12.

EDMAND, MARIETTA JOSEPHINE, E. 1846 9th Avenue, Spokane, Wash.

Fellow in Latin, 1897-98. A.B., Central University of Iowa, 1887, and A.M., 1890; A.B. and A.M., University of Chicago, 1897. Assistant in Academic Department, Iowa Wesleyan University, 1887-90, and Principal of Academic Department, 1890-93; Professor of Latin, Iowa Wesleyan University, 1893-95; Graduate Student in Greek and Latin, University of Chicago, 1895-97; Professor of Latin and Greek, Milwaukee-Downer College, Milwaukee, Wis., 1898-99, and Professor of Latin, 1899-1903; American School of Classical Studies, Rome, 1901-02.

Married, 1903, *Dr. Frederic Perry Noble*.

EDWARDS, KATHARINE MAY, Wellesley College, Wellesley, Mass.

Fellow in Greek, 1888-89. A.B., Cornell University, 1888, and Ph.D., 1895. Instructor in Greek, Wellesley College, 1889-93; Graduate Student, Cornell University, 1893-94; Associate Professor of Greek, Wellesley College, 1894-1901, and Associate Professor of Greek and Comparative Philology, 1901-12.

ELLIS, ELLEN DEBORAH, See page 21.

Fellow in Economics and History, 1904-05.

EVERS, HELEN MARGARET, 11507 Mayfield Road, Cleveland, O.

Fellow in Romance Languages, 1903-05. A.B., Washington University, 1899; A.M., University of Missouri, 1902; Ph.D., Bryn Mawr College, 1905, subjects, French and Spanish. Graduate Student, University of Missouri, 1901-02, and Fellow in Romance Languages, 1902-03; Fellow in Romance Languages, Bryn Mawr College, 1903-05; Teacher of French in the Gleim School, Pittsburgh, Pa., 1906-07; Acting Instructor in Romance Languages, University of Missouri, 1905-06, and Instructor, 1907-09; Instructor in the International Institute for Girls, Madrid, Spain, 1909-10; Instructor in Romance Languages, College for Women of Western Reserve University, 1910-11.

FAHNESTOCK, EDITH, Vassar College, Poughkeepsie, N. Y.

Fellow in Romance Languages, 1897-98. L.B., Western Reserve University, 1894. University of Zurich and Sorbonne, 1894-96; Mistress of Modern Languages, Mississippi Industrial Institute and College, Columbus, Miss., 1898-1901, 1902-05; Graduate Scholar and Fellow by Courtesy in Romance Languages, Bryn Mawr College, 1903-05, and Graduate Scholar, 1906-07; Instructor in Romance Languages, Mt. Holyoke College, 1907-08, and Vassar College, 1908-12.

FAIRBANKS, CHARLOTTE, St. Johnsbury, Vt.

Fellow in Chemistry, 1896-97. A.B., Smith College, 1894; Ph.D., Yale University, 1896; M.D., Woman's Medical College of Pennsylvania, 1902. Instructor in Chemistry, Wellesley College, 1897-99; Woman's Medical College of Pennsylvania, 1899-1902; Physician, 1905-07; Instructor in Chemistry and Materia Medica, Woman's Medical College of Pennsylvania, 1906-07; Physician, St. Johnsbury, 1909-12.

FAIRCLOUGH, ELIZABETH MARY,

228 Market Street, Hamilton, Ontario, Canada.

Fellow in Greek, 1893-94. A.B., McGill University, 1893. Private Tutor, 1898-1900.

FARNHAM, LOIS ANNA, 22 Old Lancaster Road, Bryn Mawr, Pa.

Fellow in Economics and Politics, 1901-02. A.B., Bryn Mawr College, 1900, group, History and Political Science, and A.M., 1901. Graduate Scholar in History, Political Science, and Law, Bryn Mawr College, 1900-01.

Married, 1903, *Professor David Wilbur Horn*.

FOGG, EMILY, Swarthmore, Pa.

Fellow in History, 1897-98. Wellesley College, 1889-91; A.B., University of Chicago, 1897. Graduate Scholar and Fellow by Courtesy in History, 1898-99; Fellow in Sociology, University of Pennsylvania, 1899-1900; Student, University of Pennsylvania, and Teacher of Economic Geography in Mrs. Head's School, Germantown, Philadelphia, and of History in the Misses Shipley's School, Bryn Mawr, Pa., 1900-01.

Married, 1900, *Professor Edward Sherwood Meade*.

FOSTER, ELIZABETH ANDROS, Glendale Road, Sharon, Mass.

Fellow in Latin, 1910-11. A.B., Bryn Mawr College, 1908, and A.M., 1909. Graduate Scholar in Latin, Bryn Mawr College, 1908-09, and Reader in Latin and Graduate Student, 1909-10; Assistant in French and Instructor in Spanish, Wells College, 1911-12.

FOWLER, EUGENIA, 90 Morningside Avenue, West, New York City.

Fellow in Physics, 1902-03. A.B., Bryn Mawr College, 1901, and A.M., 1902. Mistress of Llanberis, and Graduate Student, Bryn Mawr College, 1901-02; Secretary and Manager of Athletics, St. Timothy's School, Catonsville, Md., 1903-07; Manager of Low Buildings, Bryn Mawr College, 1908-09.

Married, 1909, *Mr. M. K. Neale*.

FRANCE, WILMER CAVE, Low Buildings, Bryn Mawr, Pa.

Fellow in Greek, 1892-93. Girton College, University of Cambridge, England, 1888-92, Classical Tripos, 1892; Ph.D., University of Chicago, 1895; Fellow in Latin, University of Chicago, 1893-94, and Fellow in Greek, 1894-95; Reader in Greek and Latin, University of Chicago, 1895-96; Reader in Classical Literature, Bryn Mawr College, 1897-99; Associate in Classical Literature, 1899-1901, Associate in Greek, 1901-03, 1905-06, Lecturer in Greek Literature, 1906-07, and Associate Professor of Greek, 1907-12.

Married, 1906, *Mr. J. Edmund Wright*.

FRANKLIN, SUSAN BRALEY, 33 Central Park West, New York City.

Fellow in Greek, 1889-90. A.B., Bryn Mawr College, 1889, group, Greek and Latin, and Ph.D., 1895, subjects, Greek, Latin, and Sanskrit. Fellow by Courtesy in Greek,

1890-93; Graduate Student, Bryn Mawr College, 1890-93, and second semester, 1902-03; Holder of the American Fellowship of the Association of Collegiate Alumnae, 1892-93; Instructor in Latin, Vassar College, 1893-97; American School of Classical Studies, Athens, and University of Berlin, 1898-99; Teacher of Greek and Latin in Miss Florence Baldwin's School, Bryn Mawr, Pa., 1897-98, and 1899-1904; Head of the Classical Department, Ethical Culture School, New York City, 1904-11.

FREHAFFER, MABEL KATHRYN,.....See page 13.
Fellow in Physics, 1909-10.

GAGE, KITTY AUGUSTA,.....New Paltz, N. Y.
Fellow in Greek, 1885-86. A.B., Boston University, 1878; A.M., Cornell University, 1885. Teacher of Latin and French in the State Normal School, New Paltz, 1893-1909.

GATES, FANNY COOK,.....402 Franklin Street, Waterloo, Ia.
Fellow in Mathematics, 1896-97. B.S., Northwestern University, 1894, and M.S., 1895. Ph.D., University of Pennsylvania, 1909. Fellow in Mathematics, Northwestern University, 1894-95; Graduate Scholar in Mathematics, Bryn Mawr College, 1895-96; Holder of European Fellowship of the Association of Collegiate Alumnae, and Student in Mathematics and Physics, University of Göttingen, 1897-98; Graduate Student, University of Chicago, Summer Term, 1899; Instructor in Physics, Woman's College of Baltimore, 1898-1901, Associate Professor of Physics, 1901-06, and Professor of Physics, 1906-11; Research Student, McGill University, 1902-03; Research Student, Cavendish Laboratory, Cambridge, England, April to August, 1905 and 1906; Research Worker, School of Education, University of Chicago, 1911-12.

GENTRY, RUTH,.....Stilesville, Ind.
Fellow in Mathematics, 1890-91. Ph.B., University of Michigan, 1890; Ph.D., Bryn Mawr College, 1896, subjects, Mathematics and Physics. Fellow by Courtesy in Mathematics, Bryn Mawr College, 1893-94; Holder of the European Fellowship of the Association of Collegiate Alumnae, and Student in Mathematics, University of Berlin, 1891-92; Student at the Sorbonne, 1892-93; Instructor in Mathematics, Vassar College, 1894-1900, and Associate Professor of Mathematics, 1900-02; Associate Principal of Private School, Pittsburgh, Pa., and Head of Department of Mathematics, 1902-05; Volunteer nurse (unpaid), 1910-11.

GORDON, WILHELMINA,
Principal's House, Queen's University, Kingston, Ontario, Canada.
Fellow in Latin, 1906-07. M.A., Queen's University, 1905. Graduate Scholar in English, Bryn Mawr College, 1905-06; Somerville College, Oxford, England, 1908-09. Tutor in English, Queen's University, 1909-10, and Fellow and Reader in English, 1910-12.

GRAHAM, ELLEN MAUD,.....131 Scott Street, Quebec, Canada.
Fellow in History, 1896-97. A.B., University of Toronto, 1896. Canadian Government Teacher in South Africa, 1902-04; Teacher of Modern Languages, Harriston, Ont., 1905-06; Principal of the Girls' High School, Quebec, P. Q., 1906-09.
Married, 1908, *Mr. Frederick Gourlay Millar*.

GRAHAM, MINNIE ALMIRA,.....34 Park Place, Lockport, N. Y.
Fellow in Chemistry, 1906-07, 1910-11. A.B., Mt. Holyoke College, 1900, and A.M., University of Michigan, 1906. Fellow by Courtesy and Graduate Scholar, Bryn Mawr College, 1911-12; in charge of Departments of Physics and Chemistry, Lake Erie College, 1907-10.

GRIFFIN, HATTIE JOSEPHINE,.....North Bend, Ore.
Fellow in Latin, 1899-1900. A.B., University of Wisconsin, 1898, and A.M., 1902. Alumni Fellow in Latin, University of Wisconsin, 1898-99; Fellow in Latin, University of Wisconsin, 1901-02; Assistant in the High School, Crystal Falls, Michigan, 1902-03; Professor of Ancient and Modern Languages, Nebraska Central College, 1903-07; Principal of the High School, North Bend, 1907-09; Teacher of Latin and German in the Kinney High School, North Bend, 1909-12.

GWINN, MARY,.....Princeton, N. J.
Fellow in English, 1885-87. University of Leipsic, 1879-82; University of Zürich, 1882; Sorbonne and Collège de France, 1883. Ph.D., Bryn Mawr College, 1888. Graduate Student, Bryn Mawr College, 1887-88, and Associate in English, 1888-93; Associate Professor of English, Bryn Mawr College, 1893-97, and Professor of English, 1897-1904.
Married 1904, *Mr. Alfred Hodder*.

HAHN, DOROTHY ANNA,.....Box 344, South Hadley, Mass.
Fellow in Chemistry, 1907-08. A.B., Bryn Mawr College, 1899, group, Chemistry and Biology. Professor of Chemistry and Biology, Pennsylvania College for Women, Pittsburgh, Pa., 1899-1906; Professor of Biology, Kindergarten College, Pittsburgh, 1904-06; Student, University of Leipsic, 1906-07; Instructor in Chemistry, Mount Holyoke College, 1908-12.

HAINES, JANE BOWNE, Cheltenham, Pa.

Fellow in History, 1892-93. A.B., Bryn Mawr College, 1891, group, History and Political Science, and A.M., 1892. Graduate Student, Bryn Mawr College, 1891-92, 1893-94, and Associate Librarian, 1895-98; Student, New York State Library School, Albany, N. Y., 1898-99; Assistant in the Cataloguing Division, Library of Congress, Washington, D. C., 1900-03; Private Indexer and Bibliographer, 1903-10.

HAMILTON, EDITH, See page 22.

Fellow in Latin, 1891-95.

HANINGTON, FLORENCE, 159 Stanley Avenue, Ottawa, Canada.

Fellow in Mathematics, 1905-06. A.B., Trinity University, 1904. Graduate Scholar in Mathematics, Bryn Mawr College, 1904-05; Secretary of Bryn Mawr College, 1906-07.

Married, 1907, *Mr. Charles Reginald Carter*.

HARDCASTLE, FRANCES,

3 Osborne Terrace, Newcastle on Tyne, England.

Fellow in Mathematics, 1894-95. M.A., Trinity College, Dublin, 1907. Girton College, University of Cambridge, England, 1888-92; Mathematical Tripos, Part I, 1891; Part II, 1892. Graduate Student in Mathematics, Bryn Mawr College, 1892-93; Honorary Fellow in Mathematics, University of Chicago, 1893-94; Graduate Student in Mathematics, Girton College, 1895-96; Pfeiffer Student of Girton College, 1902-03; Hon. Secretary, National Union of Women's Suffrage Societies, London, 1906-09.

HARMON, ESTHER, See page 22.

Fellow in German, 1908-09.

HARPER, CARRIE ANNA, Sunderland, Mass.

Fellow in English, 1898-99. A.B., Radcliffe College, 1896, and A.M., 1898; Ph.D., Bryn Mawr College, 1910, subjects, English Language, English Literature and Spanish. Graduate Scholar in English, Bryn Mawr College, 1896-97; Graduate Student in English, Radcliffe College, 1897-98, 1906-07; Teacher of English in the Gilman School, Cambridge, Mass., 1899-1907; Instructor in English Literature, Mt. Holyoke College, 1907-11, and Associate Professor, 1911-12.

HARRIS, ELIZABETH, Clayton, Mo.

Fellow in Greek, 1890-91. A.B., Bryn Mawr College, 1890, group, Greek and Latin, and A.M., 1891. Teacher of Greek and Latin in the Collegiate Grammar School, New York City, 1891-92; Teacher of Greek and Latin in Miss Florence Baldwin's School, Bryn Mawr, Pa., 1892-96.

Married, 1896, *Professor Edward Harrison Keiser*.

HARRISON, ELIZABETH,

Mickleton, Queen's Drive, Mossley Hill, Liverpool, England.

Fellow in Greek, 1906-07. Liverpool University College, 1897-98; Newnham College, University of Cambridge, England, 1898-1902; Classical Tripos, Part I, 1901; Part II, 1902; Temporary Assistant Lecturer in Latin, University of Liverpool, and Private Tutor, 1908-11.

Married, 1911, *Mr. Percy Fallowsfield Kipling*.

HARRISON, JANE ANNETTA, See page 22.

Fellow in German, 1909-10.

HAZEN, ANNAH PUTNAM, 68 Washington Square, New York City.

Fellow in Biology, 1898-99. L.B., Smith College, 1895; S.M., Dartmouth College, 1897. Graduate Student in Biology, Dartmouth College, 1895-96; Graduate Scholar in Biology, Bryn Mawr College, 1897-98; Teacher of Biology in the State Normal School, Plymouth, N. H., 1899-1900; Assistant in Zoology, Smith College, 1900-03; Teacher of Biology in the Wadleigh High School, New York City, 1903-09; First Assistant in Biology in the Eastern District High School, Brooklyn, New York City, 1909-12.

HAZLEWOOD, CHARLOTTE WILLIAMS, 161 Allen Avenue, Lynn, Mass.

Fellow in Greek, 1898-99. A.B., Wellesley College, 1891. Teacher of Greek and Latin in the Classical High School, Lynn, 1891-96; Graduate Student, Yale University, 1896-97, and Graduate Scholar, 1897-98; Substitute Head of Greek and Latin Department, Pennsylvania College for Women, Pittsburgh, Pa., Second Semester, 1910; Literary and Artistic Work, Book Designing, 1910-12.

HENRY, MARGARET EDITH, 1108 East 62nd Street, Chicago, Ill.

Fellow in Philosophy, 1900-01. A.B., University of Nebraska, 1898, and A.M., 1900; A.M., Radcliffe College, 1902. Graduate Scholar in Philosophy, University of Nebraska, 1898-99, and Fellow, 1899-1900; Graduate Student, Radcliffe College, 1901-02; Graduate Student, Columbia University, 1904-06, and Ph.D., 1906.

Married, 1904, *Dr. Alvin Saunders Johnson*.

HICKS, AMY MAUD,

33 Downside Crescent, Hampstead, London, England.

Fellow in Greek, 1904-05. A.B., University of London, 1900, and A.M., 1901. Student, Girton College, University of Cambridge, England, 1895-99, Classical Tripos, Part I, 1898, Part II, 1899; Student, University College, London, 1900-02; Teacher of Classics in St. Mary's College, Paddington, London, 1906-09.

HIGHET, MINNIE ELIZABETH, Cobourg, Ontario, Canada.

Fellow in German and Teutonic Philology, 1896-97. A.B., Victoria University, 1891, and A.M., 1892; Ph.M., Cornell University, 1894, and Ph.D., 1895. Teacher of Modern Languages, Bowmanville High School, 1892-93; Professor of Modern Languages and History, State Normal School, New Paltz, N. Y., 1897-1900; University of Berlin, 1901-02; Professor of German, Elmira College, 1902-12.

HILL, SARAH D., Richmond, Ind.

Fellow in Teutonic Philology, 1904-05. A.B., Earlham College, 1901. Graduate Scholar, Bryn Mawr College, 1903-04; Assistant in German and French, Earlham College, 1905-08.

Married, 1908, *Mr. Milton D. Baumgartner*.

HOOPER, EDITH SOPHIA, .. Heathersby, Chislehurst Road, Kent, England.

Fellow in English, 1900-01. M.A., University of Edinburgh, 1900, Honours in Philosophy, 1899, in English, 1900.

HOPKINS, MARY DELIA, Clinton, N. Y.

Fellow in English, 1896-97. A.B., Bryn Mawr College, group, English and German, and A.M., 1896. Reader in English, and Graduate Student, Bryn Mawr College, 1897-98, and Reader in English, 1899-1901; Teacher of Latin and English in the Granger Place School, Canandaigua, N. Y., 1902-04; Teacher of English in the Balliol School, Utica, N. Y., 1901-02, and of English, German, and Latin, 1905-07; Teacher of English and Latin in Miss Davidge's School, New York City, and Private Tutor, 1904-05; Teacher of Latin, German, and English in the Veltin School, New York City, 1908-12, and Graduate Student, Columbia University, 1908-11.

HOWELL, JEAN KIRK, 123 West 7th Street, Plainfield, N. J.

Fellow in Biology, 1891-92. Ph.B., Cornell University, 1888, and S.M., 1890. Assistant in Botany, Barnard College, 1892-96; Teacher of Science in the Phillips High School, Watertown, Mass., 1898-99; Teacher of Science in Miss Ingol's School, Cambridge, Mass., 1899-1905, and in the Plainfield Seminary, Plainfield, 1905-12.

HUGHES, WINONA ALICE, 271 West Church Street, Marion, O.

Fellow in Chemistry, 1900-01. Ph.B., University of Wooster, 1891. Graduate Student, Cornell University, Summer School, 1894; Harvard University, Summer School, 1895; University of Chicago, 1897-99; Teacher of Science in the Public Schools, Marion, O., 1892-97, and in the High School, Mansfield, O., 1899-1900; Teacher of Science in the High School, Ottumwa, Ia., 1901-02; Teacher of Chemistry and Zoology in the High School, Mansfield, 1902-06; Instructor in Chemistry, Mt. Holyoke College, 1906-11; Corresponding Secretary, University of Wooster, 1911-12.

HUTCHINSON, ANABELLE ROXBURGH,

The Camp, Owlstone Road, Cambridge, England.

Fellow in Romance Languages, 1899-1900. Newnham College, University of Cambridge, England, 1895-99; Medieval and Modern Languages Tripos, 1898; Sorbonne, 1900-01; Assistant Librarian, University Library, Cambridge, 1902-05; Assistant Lecturer in French, Newnham College, 1904-06; Examiner in French and Italian, Joint Board Matriculation, 1909-12.

HYDE, IDA H., Lawrence, Kan.

Fellow in Biology, 1892-93. S.B., Cornell University, 1891; Ph.D., University of Heidelberg, 1896. Student Assistant in Biology, Bryn Mawr College, 1891-92; Holder of the European Fellowship of the Association of Collegiate Alumnae, and Student in Biology, University of Strassburg, 1893-94; Holder of the Phebe Hunt Fellowship of the Association of Collegiate Alumnae, and Student in Biology, University of Heidelberg, 1894-96; Teacher of Science in Miss Ingol's School, Cambridge, Mass., 1898-99; Professor of Physiology, and Head of Department of Physiology, University of Kansas, 1899-1912.

HYDE, WINIFRED FLORENCE, Berggasse 1, Jena, Germany.

Fellow in Philosophy, 1902-04. A.B., University of Nebraska, 1900. Scholar in Philosophy, University of Nebraska, 1900-01; University of Denver, Summer of 1901; Teacher in the High School, Lincoln, Neb., 1901-02; Scholar in Philosophy, Cornell University, 1904-05; Holder of the European Fellowship of the Boston Woman's Educational Association and Student at the University of Jena, 1905-07.

ISHAM, MARY KEYT, 849 Oak Street, Walnut Hills, Cincinnati, O.

Fellow in Philosophy, 1899-1900. A.B., Wellesley College, 1894; A.M., University of Cincinnati, 1898; M.D., Laura Memorial Medical College, 1903. Graduate Student in Philosophy and Psychology, University of Cincinnati, 1897-98; Graduate Student in Philosophy and Psychology, University of Chicago, 1898-99; Lecturer on Psychology and Student, Laura Memorial Medical College, Cincinnati, 1900-03; Interne and House Physician at the Presbyterian Hospital, Cincinnati, 1903-04; Physician, 1904-12; Secretary, Academy of Medicine of Cincinnati, 1907-08; Assistant Physician, Columbus State Hospital, Columbus, O., 1908-11.

JARVIS, MAY MASON,

Calle Celso Ramos No. 9, Matehuala, S. L. P., Mexico.

Fellow in Biology, 1909-10. A.B., University of Texas, 1906, and A.M., 1908. Tutor in Zoology, University of Texas, 1907-09, 1910-11.

Married, 1911, *Mr. George S. Newell*.

JONES, LAURA LUCINDA, Box 353, Cobourg, Ontario, Canada.

Fellow in English, 1894-95. A.B., University of Toronto, 1891. Teacher of Modern Languages in the Collegiate Institute, Kingston, Ont., 1895-97; Teacher of English, and Student in German in the Höhere Töchter Schule Tegeler, Eberswalde, Berlin, 1897-98; Teacher of English, French, and German in the Collegiate Institute, Cobourg, 1898-1909; Member of the Board of the Public Library, Cobourg, 1904-08.

KEYS, FLORENCE V., College Avenue, Poughkeepsie, N. Y.

Fellow in Greek, 1891-92; Fellow in English, 1892-93. A.B., University of Toronto, 1891. Examiner in English, University of Toronto, 1894-95; Reader in English, Bryn Mawr College, 1893-97, and Graduate Student in English, 1895-96; University of Oxford, England, 1897-98; University of Berlin, 1898-99; Reader in English, College Entrance Examination Board, 1900-02; Student, University of Munich, 1904-05; Instructor in English, Vassar College, 1899-1904, and Associate Professor of English, 1904-12.

KING, GEORGIANA GODDARD, Low Buildings, Bryn Mawr, Pa.

Fellow in Philosophy, 1896-97; Fellow in English, 1897-98. A.B., Bryn Mawr College, and George W. Childs Prize Essayist, 1896, group, Political Science and Philosophy, and A.M., 1897. Student at the Collège de France, First Semester, 1898-99; Teacher of English, Philosophy, and History of Art in the Misses Graham's School, New York City, 1899-1906; Reader in English, Bryn Mawr College, 1906-12, and Lecturer in Art, 1910-12; Travelling, 1911-12.

KING, HELEN DEAN, Bryn Mawr, Pa.

Fellow in Biology, 1897-98. A.B., Vassar College, 1892; Ph.D., Bryn Mawr College, 1901, subjects, Morphology, Palæontology, and Physiology. Graduate Student in Biology, Vassar College, and Assistant in the Biological Laboratory, 1894-95; Graduate Scholar in Biology, Bryn Mawr College, 1895-96, and Graduate Student in Biology, 1896-97 and 1901-06, and Fellow by Courtesy in Biology, 1898-1901; Teacher of Science in Miss Florence Baldwin's School, Bryn Mawr, Pa., 1899-1907; University Fellow for Research in Zoology, University of Pennsylvania, 1906-08; Investigator, Wistar Institute of Anatomy and Biology, Philadelphia, 1908-09, Assistant in Anatomy, 1909-10, and Associate in Anatomy, 1910-12.

KING, HELEN MAXWELL, American Legation, Bangkok, Siam.

Fellow in Romance Languages, 1909-10. A.B., Olivet College, 1907, and A.M., 1908. Graduate Student, Bryn Mawr College, 1908-09. Private Secretary to the United States Minister to Siam, 1910-12.

KING, LIDA SHAW,

Women's College in Brown University, Providence, R. I.

Fellow in Greek, 1899-1900. A.B., Vassar College, 1890; A.M., Brown University, 1894. Fellow in Greek, Vassar College, 1894-95; Instructor in Greek and Latin, Vassar College, 1895-97; Graduate Student in Greek and Greek History, Harvard University, 1897-98; Instructor in Latin, Packer Collegiate Institute, Brooklyn, New York City, 1898-99; Student, American School of Classical Studies, Athens, 1899-1901; Holder of the Agnes Hoppin Memorial Fellowship, 1900-01; Director of Classical Department, Packer Collegiate Institute, 1901-02; Dean of the Women's College, and Assistant Professor of Classical Philology in Brown University, 1905-09; Dean of the Women's College and Professor of Classical Literature and Archæology, 1910-12.

- KING, MARIE SEWARD**, 1205 Park Street, Grinnell, Ia.
Fellow in German, 1910-11. A.B., Olivet College, 1907, and A.M., 1908. Professor of German and French, Des Moines College, 1908-09; Graduate Student, Bryn Mawr College, 1909-10, and Substitute Reader in French, March to June, 1910; Instructor, Grinnell College, 1911-12.
- LAIRD, ELIZABETH REBECCA**, See page 22.
Fellow in Physics, 1897-98.
- LAMBERTON, HELEN**, 753 Corinthian Avenue, Philadelphia.
Fellow in Physics, 1908-09. A.B., Bryn Mawr College, 1907, group, Mathematics and Physics, A.M., 1908. Graduate Scholar in Physics, Bryn Mawr College, 1907-08; Teacher of Physics in the Girls' High School, Philadelphia, 1909-10; Teacher of Mathematics in the Germantown High School for Girls, Philadelphia, 1910-12.
- LANGENBECK, CLARA**, See page 22.
Fellow in Biology, 1895-96.
- LEFTWICH, FLORENCE**, See page 22.
Fellow in Romance Languages, 1902-03.
- LEWIS, FLORENCE PARTHENIA**, See page 23.
Fellow in Philosophy, 1898-99.
- Longbottom, Gertrude**, The Hollies, Louth, Lincolnshire, England.
Fellow in Mathematics, 1897-98. Girton College, University of Cambridge, England, 1893-97; Mathematical Tripos, Part I, 1896; Part II, 1897. M.A., Trinity College, Dublin, 1905. Teacher of Latin in the Municipal Technical School, Louth, 1899-1900, and Teacher of Mathematics, 1900-06; Governor of King Edward VI Girls' Grammar School, Louth, 1902-09; Manager of the Louth British (Elementary) School, 1904-11; Private Tutor, 1909-10.
- LORD, ELEANOR LOUISA**, 2326 N. Charles Street, Baltimore, Md.
Fellow in History, 1889-90, 1895-96. A.B., Smith College, 1887, and A.M., 1890; Ph.D., Bryn Mawr College, 1898, subjects, History and Political Science. Instructor in History, Smith College, 1890-94; Holder of the European Fellowship of the Women's Educational Association of Boston, and Student in History, Newnham College, University of Cambridge, England, 1894-95; Instructor in History, Woman's College of Baltimore, 1897-1901; Associate Professor, 1901-04, and Professor of History, 1904-11; President of the History Teachers' Association of Maryland, 1908-09; Dean of Goucher College, 1911-12.
- LOVELL, HELEN LOUISA**, Hardin College, Mexico, Mo.
Fellow in Greek, 1887-88. A.B., University of Michigan, 1887. Graduate Student, University of Michigan, 1888-89; Teacher of Latin and History in the Girls' Classical School, Indianapolis, Ind., 1889-90; Associate in Greek and Latin, Woman's College of Baltimore, 1890-91; and Associate Professor, 1891-93; Acting Professor of Greek and Latin, Earlham College, 1893-94; Graduate Student, University of Chicago, 1894-95, and Fellow in Greek, 1895-96; Professor of Greek, Hardin College, Mexico, 1896-1900, Professor of Greek and Philosophy, 1900-05, and Professor of Latin and Greek, 1905-12.
Married, 1896, *Mr. John Wilson Million*.
- LOWATER, FRANCES**, Rockford College, Rockford, Ill.
Fellow in Physics, 1896-97. B.Sc., University of London, 1900; Ph.D., Bryn Mawr College, 1906, subjects, Physics, Mathematics and Applied Mathematics. University College, Nottingham, England, 1888-91, 1892-93; Newnham College, University of Cambridge, England, 1891-92; Demonstrator in Physics, Bryn Mawr College, 1893-96, 1897-98, 1899-1905, and 1907-10; Graduate Scholar in Physics, 1897-98, and Graduate Student in Physics and Mathematics, 1894-96, 1899-1900; Secretary of Bryn Mawr College, 1898-99; Acting Associate Professor of Physics, the Western College, Oxford, O., 1910-11; Professor of Physics, Rockford College, 1911-12.
- LUNDIE, ELIZABETH HELEN**, 36 Fort Street, Montreal, Canada.
Fellow in Physics, 1905-06. A.B., McGill University, 1903, and M.Sc., 1904. Assistant in Chemistry in the High School, Montreal, 1908-12.
- MACDONALD, MARGARET BAXTER**, State College, Pa.
Fellow in Chemistry, 1898-99. Pennsylvania State College, 1893-95; B.S., Mt. Holyoke College, 1898; Ph.D., Bryn Mawr College, 1902, subjects, Chemistry and Physiology. Student Assistant in Chemical Laboratory, Mt. Holyoke College, 1895-97; Graduate Scholar in Chemistry and Physiology, Bryn Mawr College, 1897-98, and Pepper Fellow in Chemistry, University of Pennsylvania, 1899-1900; Graduate Scholar and Fellow

- by Courtesy in Chemistry, Bryn Mawr College, 1900-01; Teacher of Chemistry and Physics, Asheville College, Asheville, N. C., 1901-02; Professor of Chemistry, New Jersey State Normal School, 1902-04; Instructor in Chemistry, Vassar College, 1905-06; Assistant Chemist, Delaware College Experimental Station, 1906-07; Instructor in Chemistry, Pennsylvania State College, 1907-10, and Assistant Professor of Agricultural Chemistry, 1910-12.
- MACLEOD, ANNIE LOUISE, See page 15.
Fellow in Chemistry, 1909-10; Research Fellow in Chemistry, 1910-12.
- MADDISON, ISABEL, See page 23.
Fellow in Mathematics, 1893-94.
- MANN, CARRIE ALICE, Died, 1905.
Fellow in Mathematics, 1903-04. A.B., Wellesley College, 1893. Graduate Student, Bryn Mawr College, and Teacher of Mathematics in the Misses Kirk's School, Rosemont, Pa., 1901-03; Teacher of Mathematics in Mrs. Chapman and Miss Jones's School, Chestnut Hill, Philadelphia, 1904-05.
- MARCUSE, BELLA, McGill University, Montreal, Canada.
Fellow in Chemistry, 1904-05. A.B., McGill University, 1900, and M.Sc., 1903. Student, University of Breslau, 1900-01; Assistant, McGill Model School, Montreal, Canada, January to June, 1904; Student in French, McGill University, 1905-07, and Private Tutor, 1905-08; Recording Secretary of the National Council of Women of Canada, 1908-11.
Married, 1908, *Mr. Douglas McIntosh*.
- MARTIN, EMILIE NORTON, See page 23.
Fellow in Mathematics, 1895-96.
- MASON, GERTRUDE HELEN, 2627 Channing Way, Berkeley, Cal.
Fellow in English, 1887-88. Ph.B., University of Michigan, 1887, and Ph.M., 1888. Graduate Student in English, University of Michigan, 1888-89; Teacher of English in the High School, Petaluma, Cal., 1889-95, in the High School, San Diego, Cal., 1895-96; Graduate Student in English, Leland Stanford, Jr., University, 1896-97, and 1900-01; Assistant to Dr. Ewald Flügel on Chaucer Lexicon, 1904-05; Teacher of English in the Kern County High School, Bakersfield, Cal., 1897-98, and in the Union High School, Haywards, Cal., 1899-1900; Private Tutor in English, 1900-02, 1905-12.
- MATHEWS, IRENE MAUD, . . . Holly House, Duke Street, Sheffield, England.
Fellow in Physics, 1910-11. Girton College, University of Cambridge, England, 1906-10; First Class Honours, Cambridge Mathematical Tripos, Part I, 1909, and Part II, 1910. Assistant Mistress, the High School for Girls, Manchester, England, 1911-12.
- McNAIR, GRACE ELIZABETH, Brodhead, Wis.
Fellow in History, 1900-01. L.B., University of Wisconsin, 1898, and L.M., 1899. Assistant in History in the High School, Madison, Wis., 1899-1900; Assistant in Latin, German, and History in the High School, Brodhead, 1902-04.
- MERRILL, KATHARINE, Boston Normal School, Boston, Mass.
Fellow in English, 1890-91. A.B., University of Kansas, 1899. Graduate Student in English, Bryn Mawr College, 1889-90; Harvard Annex, 1891-92; Assistant Professor of English Language and Literature, University of Illinois, 1892-97; Fellow in English, University of Chicago, 1897-98; Teacher of English, Austin High School, Chicago, Ill., 1898-1903; Teacher of the History of Literature in the Leland Powers School of the Spoken Word, Boston, 1905-08; Teacher in the Department of Expression and Reading, Boston Normal School, 1908-11.
- MILES, CAROLINE, Bloomingdale, Ind.
Fellow in History, 1891-92. A.B., Earlham College, 1887; A.M., University of Michigan, 1890, and Ph.D., 1892. Teacher of Latin in the Friends' Academy, Bloomingdale, Ind., 1888-89; University of Michigan, 1889-91; Instructor in Philosophy and Political Economy, Mt. Holyoke College, 1892-93; Tutor in History, Wellesley College, 1893-94, and Instructor in Psychology, 1894-95; University Extension Work, Chicago, 1897-1900; Assistant Reference Librarian, John Crerar Library, Chicago, 1900-04; Principal of Friends' Academy, Bloomingdale, 1911-12.
Married, 1895, *Mr. William Hill*.
- MILLMAN, MABEL HELEN, 490 Huron Street, Toronto, Ontario, Canada.
Fellow in French, 1908-09. A.B., University of Toronto, 1907. Graduate Student, University of Toronto, June, 1907, to January, 1908; Teacher of History in the Westbourne School, Toronto, January to June, 1908, and of Latin in Havergal College, Toronto, April to June, 1908; Graduate Student, University of Toronto, 1910-11; English Essay Reader, University of Toronto, and Private Tutor, 1911-12.

- MORRIS, MARGARET SHOVE, 1904 Mt. Royal Avenue, Baltimore, Md.
Fellow in History, 1907-08. A.B., Woman's College of Baltimore, 1904. Holder of Foundation Scholarship, Bryn Mawr College, 1904-06; Holder of the Alumnae Fellowship of the Woman's College of Baltimore and Research Student at the Public Record Office, London, 1906-07; Instructor in History, Mt. Holyoke College, 1908-12.
- MORSE, KATE NILES, See page 23.
Fellow in Greek, 1900-01.
- MORY, RUTHELLA BERNARD, The Somerset, Baltimore, Md.
Fellow in History, 1899-1900. A.B., Woman's College of Baltimore, 1897; Ph.M., University of Chicago, 1899. Student in English and History, University of Oxford, England, 1897-98; Graduate Student in History and History of Art, University of Chicago, 1898-99; Student, London School of Economics, 1900; Research Work in History in the British Museum and in the Public Record Office, London, 1900-02; Writer on History, 1910-11.
- Married, 1903, *Mr. Arthur Barneveld Bibbins.*
- NEILSON, NELLIE, Mt. Holyoke College, South Hadley, Mass.
Fellow in History, 1894-95. A.B., Bryn Mawr College, 1893, group, Greek and English, A.M., 1894, and Ph.D., 1899, subjects, History and English. Graduate Student, Bryn Mawr College, 1893-94, 1895-96, 1900-01; Holder of the American Fellowship of the Association of Collegiate Alumnae, 1895-96; Research Work in History in Cambridge, England, and in the Public Record Office, London, 1896-97; Teacher of History in Miss Irwin's School, Philadelphia, 1897-1900; Private Research Work, 1897-1905; Reader in English, Bryn Mawr College, 1900-02; Instructor in History, Mt. Holyoke College, 1902-03; Acting Professor of European History, 1903-04, and Professor of History, 1904-12; in England on leave of absence, 1908-09.
- NICHOLS, ELIZABETH, 1918 N. Penn Street, Indianapolis, Ind.
Fellow in Biology, 1893-94. A.B., Bryn Mawr College, 1893, group, Chemistry and Biology. Graduate Student, Bryn Mawr College, 1894-95; Teacher of Science in the Girls' High School, Philadelphia, 1895-96; Secretary of the Indianapolis Branch of the Needlework Guild of America, 1907-08.
- Married, 1896, *Mr. Charles W. Moores.*
- NORTHWAY, MARY ISABEL,
1657 Burnaby Street, Vancouver, B. C., Canada.
Fellow in Physics, 1900-01. A.B., University of Toronto, 1898. Ontario Normal College, 1898-99; Graduate Scholar in Physics, Bryn Mawr College, 1899-1900; Student of Domestic Science, 1901-02; Assistant in Physics Department, Smith College, 1902-03.
- Married, 1904, *The Rev. R. J. Wilson.*
- NOWLIN, NADINE, See page 23.
Fellow in Biology, 1905-06.
- O'GRADY, MARCELLA I., Würzburg, Bavaria.
Fellow in Biology, 1887-89. S.B., Massachusetts Institute of Technology, 1885. Teacher of Science in the Bryn Mawr School, Baltimore, Md., 1885-87; Demonstrator in Biology, Bryn Mawr College, 1888-89; Associate Professor of Biology, Vassar College, 1889-93, and Professor of Biology, 1893-96.
- Married, 1897, *Professor Theodore Boveri.*
- OLSEN, SOPHIE YHLEN, Kastelsvej 25, Copenhagen, Denmark.
Fellow in Teutonic Philology, 1899-1900. A.B., Bryn Mawr College, 1898, group, Greek and Latin, and A.M., 1899. A.M., University of Copenhagen, 1902. Graduate Scholar in English and Teutonic Philology, Bryn Mawr College, 1898-99; Student, Universities of Copenhagen and Leipsic, 1900-01; University of Copenhagen, 1901-02; Teacher of English Literature in the Zahle Institute for Teachers, Copenhagen, 1905-10; and Teacher of English in the State College for Teachers, Copenhagen, 1908-12.
- Married, 1902, *Dr. Henrik Bertelsen.*
- PARKER, EMMA HARRIET, Charlestown, N. H.
Fellow in Chemistry, 1893-94. B.S., Smith College, 1887. Graduate Student in Chemistry, Bryn Mawr College, 1892-93, and Graduate Scholar in Chemistry, 1894-95; Instructor in Chemistry, Wellesley College, 1895-97; Teacher of Science in the High School, New Bedford, Mass., 1897-1900; Teacher of Chemistry in the High School, Newton, Mass., 1900-12; Student of Chemistry, the Sorbonne and University of Berlin, 1909-10.
- PARRIS, MARION, See page 24.
Fellow in Economics and Politics, 1905-06.

- PASCHALL, ANNIE GOODE, Died, 1895.
Fellow in Greek, 1894-95. A.B., Vanderbilt University, 1894.
- PEEBLES, FLORENCE, See page 24.
Fellow in Biology, 1896-97.
- PEEBLES, ROSE JEFFRIES, Vassar College, Poughkeepsie, N. Y.
Fellow in English, 1907-08. A.B., Mississippi State College for Women, 1891. Ph.D., Bryn Mawr College, 1911. University of Chicago, Summer, 1897, 1898, 1905; Harvard University, Summer, 1902; Columbia University, Summer, 1903; Graduate Student in English, Bryn Mawr College, 1906-07, and Graduate Scholar and Fellow by Courtesy in English, 1908-09; Special Research Scholar and Student, British Museum and Bodleian Library, Oxford, Summer, 1909; Instructor in English, Vassar College, 1909-12.
- PERKINS, ELIZABETH MARY, See page 24.
Fellow in Latin, 1902-03.
- PETTY, MARY, 211 S. Ashe Street, Greensboro, N. C.
Fellow in Chemistry, 1895-96. S.B., Wellesley College, 1885. Teacher of Latin, Guilford College, 1888-93; Teacher of Chemistry and Physics in the State Normal and Industrial College, Greensboro, 1893-95, and 1896-99, and Head of Department of Chemistry, 1899-1912.
- PINNEY, MARY EDITH, Wilson, Kan.
Fellow in Biology, 1910-11. A.B., Kansas State University, 1908, and A.M., 1910. Teaching Fellow in Zoology, Kansas State University, 1909-10, and High School Instructor, Alma, Kan., 1909-10; President's European Fellow and Student, Universities of Bonn and Heidelberg, and Zoological Station, Naples, 1911-12.
- POTTS, LAURETTE EUSTIS, Pelham Manor, N. Y.
Fellow in English, 1899-1900. Mistress of Pembroke Hall East, Bryn Mawr College, 1895-96. A.B., Bryn Mawr College, 1897, group, Latin and English, Sorbonne and Collège de France, 1896-97; Graduate Student, Bryn Mawr College, 1897-98, Reader in English, 1897-99; Student, University of Munich, 1900-01.
Married, 1905, *Mr. Lewis Frederic Pease*.
- PURDIE, ELEANOR, Ortler, Prestbury, Gloucestershire, England.
Fellow in Greek, 1895-96. Newnham College, University of Cambridge, England, 1890-94; Classical Tripos, Part I, First Class, 1893; Part II, 1894; Ph.D., University of Freiburg, 1897. Holder of the Marion Kennedy Studentship, and Student in Indo-European Philology, University of Freiburg, 1894-95; Classical Mistress in the Notting Hill High School, London, 1897-98; Head Classical Tutor, Cheltenham Ladies' College, Cheltenham, England, 1898-1911.
- RABOURN, SARA BREWER FRANCIS, Centralia, Mo.
Fellow in Mathematics, 1906-07. A.B., University of Missouri, 1902, and A.M., 1904. Scholar in Mathematics, University of Missouri, 1903-04; Assistant Principal and Teacher of Mathematics in the High School, Fredericktown, Mo., 1907-08, and Principal 1908-09; Head of the Mathematical Department in the High School, Hannibal, Mo., 1909-11.
- RAGSDALE, VIRGINIA, See page 24.
Fellow in Mathematics, 1902-03.
- RAND, MARIE GERTRUDE, See page 19.
Fellow in Philosophy, 1909-10, and Fellow in Psychology, 1910-11.
- RANDOLPH, HARRIET, See page 12.
Fellow in Biology, 1889-90.
- REED, BERTHA, 847 East 56th Street, Chicago, Ill.
Fellow in Teutonic Philology, 1906-07. Illinois Woman's College, 1893-96. Ph.B., De Pauw University, 1898, and A.M., 1900. University of Berlin, Winter Semester, 1902-03. University of Zürich, 1903, 1903-04; Instructor in German, Bradley Polytechnic Institute, Peoria, Ill., 1907-09.
Married, 1909, *Mr. George Raleigh Coffman*.
- REED, MARGARET ADALINE, Johns Hopkins Medical School, Baltimore, Md.
Fellow in Biology, 1908-09. A.B., Woman's College of Baltimore, 1901. Graduate Student in Biology, Bryn Mawr College, 1901-03, and Graduate Scholar, 1902-03. Wood's Holl Laboratory, Summers of 1900 and 1902; Assistant in Zoological Laboratory, Columbia University, 1903-05; University of Zürich, Summer, 1906; Assistant in

Zoology, Columbia University, 1903-06; Lecturer in Physiology, New York Medical College for Women, and Barnard College, 1904-07; Instructor in Biology, Barnard College, 1907-08; Student in Berlin Königliches Institut für Infektions-Krankheiten, Summer, 1908; Research Work in Johns Hopkins University Medical Department, 1910-11; Lecturer on Anatomy and Physiology, Johns Hopkins Training School for Nurses, Spring Semester, 1911-12.

Married, 1910, *Dr. Warren H. Lewis*.

REIMER, MARIE, See page 24.
Fellow in Chemistry, 1899-1900, 1901-02.

REYNOLDS, GRACE POTTER, 98 Bedford Street, Stamford, Conn.
Fellow in Chemistry, 1908-09. A.B., Smith College, 1904; A.M., Columbia University, 1905; Ph.D., Bryn Mawr College, 1911, subjects, Organic Chemistry, Physical and Inorganic Chemistry and Physics. Graduate Student, Columbia University, 1904-05; Assistant in Chemistry, Barnard College, 1906-08; Graduate Student, Bryn Mawr College, 1909-10; Research Worker in Chemistry, Barnard College, 1910-12.

REYNOLDS, MINNIE BEATRICE, 244 Myrtle Avenue, San Francisco, Cal.
Fellow in Greek, 1897-98. A.B., University of California, 1895, and A.M., 1897. Instructor in Greek and Latin in the High School, Centerville, Cal., 1896-97; Fellow by Courtesy in Greek, Bryn Mawr College, 1898-99; Teacher of Latin in the Misses Shipley's School, Bryn Mawr, Pa., 1898-99; Instructor in Latin, Vassar College, 1899-1900; Instructor in Greek in the High School, Los Angeles, Cal., 1900-01; Teacher of Greek and Latin in the High School, San Francisco, 1901-03.

Married, 1903, *Mr. James A. Kinkead*.

RITCHIE, MARY HELEN, Died, 1905.
Fellow in Latin, 1898-99. A.B., Bryn Mawr College, 1896, group, Greek and Latin. A.M., 1897, and Ph.D., 1902, subjects, Latin and Greek. Graduate Scholar in Greek and Latin, Bryn Mawr College, 1896-97, Graduate Student, 1897-98; Secretary of Bryn Mawr College, 1899-1904.

ROCK, AMY CORDOVA, 1455 Belmont Street, Washington, D. C.
Fellow in Chemistry, 1894-95. A.B., Bryn Mawr College, 1893, group, Physics and Chemistry. Assistant in Chemical Laboratory and Graduate Student, Bryn Mawr College, 1893-94; Student, University of Heidelberg, 1895-96; and University of Berlin, 1896-97; Chairman of Committee on Home Economics in the Washington Branch of the Association of Collegiate Alumnae, 1906-08; Corresponding Secretary of the Washington Committee of the League for Social Service, 1907-08.

Married, 1899, *Mr. Frederick Leslie Ransome*.

SALMON, LUCY MAYNARD, 263 Mill Street, Poughkeepsie, N. Y.
Fellow in History, 1886-87. A.B., University of Michigan, 1876, and A.M., 1883. Teacher of History in the Indiana State Normal School, 1883-86; Associate Professor of History, Vassar College, 1887-89, and Professor of History, 1889-1912.

SANDISON, HELEN ESTABROOK, See page 24.
Fellow in English, 1908-09.

SATTERTHWAITE, SARAH E., 2037 Franklin Avenue, Toledo, O.
Fellow in Greek, 1886-87. A.B., University of Michigan, 1886. Assistant in Greek and Latin, Hope College, Holland, Mich., 1887-88; Private Tutor in Greek and Latin, 1898-1900.

Married, 1890, *Dr. Francis Alexander Leslie*.

SCHAEFFER, HELEN ELIZABETH, See page 24.
Fellow in Physics, 1904-05.

DE SCHWEINITZ, AGNES JULIA,
11 Cummings Apartments, First and D Streets, Salt Lake City, Utah.

Fellow in Teutonic Philology, 1902-03. A.B., Bryn Mawr College, 1899, group, German and French, and A.M., 1900. Graduate Scholar in Teutonic Philology, Bryn Mawr College, 1899-1900; Teacher of German in the Portland School, Portland, Ore., 1900-01; University of Leipsic, 1901-02; Teacher of German in the Bryn Mawr School, Baltimore, Md., 1903-08.

Married, 1908, *Mr. Edward Robins Zalinski*.

SEWALL, HANNAH ROBIE, Forest Glen, Md.
Fellow in History, 1888-89. A.B., University of Minnesota, 1884, and Ph.D., 1898; A.M., University of Michigan, 1887. Fellow by Courtesy in History, Bryn Mawr College, 1889-90; Assistant in Political Science, University of Minnesota, 1893-1901; Assistant, Boston Children's Aid Society, 1904-07.

- SHAPIRO, REBECCA, Marshfield, Wis.
Fellow in Romance Languages, 1900-01. L.B., University of Wisconsin, 1898, and L.M., 1900. Graduate Student, University of Wisconsin, 1899-1900; Assistant Principal of the High School, Grand Rapids, Wis., 1902-03.
Married, 1904, *Mr. Richard Strauss*.
- SHEARER, EDNA ASTON, See page 25.
Junior Fellow in Philosophy, 1904-05; Fellow in Philosophy, 1906-07.
- SHEAVYN, PHOEBE, A.B., The University, Manchester, England.
Fellow in English, 1895-96. Scholar, University College of Wales, Aberystwyth, Wales, 1887-89, and 1892-94; B.A., University of London, 1889; M.A., 1894, and D.Litt., 1906. Member of Governing Court of University of Wales; Reader in English, Bryn Mawr College, 1894-95; Lecturer and Tutor in English Literature to the Association for Promoting the Education of Women, in Oxford, England, 1896-1905; Resident Tutor and Lecturer in English, Somerville College, University of Oxford, England, 1897-1905; Member of Governing Committee of Women's University Settlement, Southwark, London, 1900-07; Member of Council of University College of Wales, Tutor for Women Students, University of Manchester, Warden of Women's Hall of Residence and Lecturer in English Literature, 1907-11.
- SHOEMAKER, JANE CUSHING, Died, 1910.
Fellow in Economics and Politics, 1909-10. A.B., Bryn Mawr College, 1905, group, History and Economics and Politics, and A.M., 1910. Graduate Student, Bryn Mawr College, 1907-08.
- SHUTE, HELEN WINIFRED, 25 Fourth Street, Bangor, Me.
Fellow in Teutonic Philology, 1893-94. A.B., Smith College, 1887. Assistant in German, Smith College, 1887-93; Fellow by Courtesy in Teutonic Philology, Bryn Mawr College, 1894-95; Student in Teutonic Philology, University of Göttingen, 1895-99; Alumnae Trustee of Smith College, 1902-05.
Married, 1900, *Mr. Warren J. Moulton*.
- SINCLAIR, ALICE, Wailuku, Maui, H. I.
Fellow in Teutonic Philology, 1903-04. Ph.B., Oberlin College, 1889. Teacher of German and Science in the Kent Place School, Summit, N. J., 1900-02; Student, University of Marburg, 1902-03; Teacher of German and English, Brockport State Normal School, Brockport, N. Y., 1904-05, and of French and German, 1905-06.
Married, 1906, *The Rev. Rowland Backus Dodge*.
- SMITH, AMELIA CATHERINE, 4515 Regent Street, Philadelphia.
Fellow in Biology, 1900-01. S.B., University of Pennsylvania, 1889. Graduate Scholar in Biology, Bryn Mawr College, 1899-1900; Demonstrator in Zoology, University of Pennsylvania, 1901-02; Graduate Student, University of Pennsylvania, 1904-06.
Married, 1901, *Mr. Philip Powell Calvert*.
- SMITH, EUNICE CLARA, 625 East Avenue, Pawtucket, R. I.
Fellow in English, 1909-10. A.B., Brown University, 1907, and A.M., 1909. Graduate Student, Bryn Mawr College, 1910-11; Teacher of French in Wilkes Barre Institute, Wilkes Barre, Pa., 1911-12.
- SMITH, EVA MARIA, The Ladies' College, Cheltenham, England.
Fellow in Mathematics, 1908-09. Newnham College, University of Cambridge, 1904-08. Graduate in Honours, First Class, Cambridge Mathematical Tripos, Part I, 1907, and Part II, 1908; Lecturer in Mathematics at the Ladies' College, Cheltenham, 1910-11.
- SMITH, MINNA STEELE, Newnham College, Cambridge, England.
Fellow in Teutonic Philology, 1894-96. Newnham College, University of Cambridge, 1890-94; Mediæval and Modern Languages Tripos, First Class, 1893. Assistant Lecturer in English, Newnham College, 1896-98; Staff Lecturer in Mediæval and Modern Languages, Newnham College, 1898-1903, and Director of Studies in Mediæval and Modern Languages, 1905-11; Lecturer in English, Girton College, University of Cambridge, 1898-1903, and 1906-11.
- SOUTHWORTH, EFFIE A., Loma Linda, Cal.
Fellow in Biology, 1885-86. S.B., University of Michigan, 1885. Student Assistant in the Biological Laboratory, Bryn Mawr College, 1886-87; Assistant Mycologist of the United States Agricultural Bureau, Washington, D. C., 1887-92; Assistant in Botany, Barnard College, 1892-95; Working for the Carnegie Institution, Washington, 1910-11.
Married, 1896, *Mr. Volney Morgan Spalding*.

- SPALDING, MARY CAROLINE**, Cranford, N. J.
Fellow in English, 1910-11. A.B., Vassar College, 1901. Graduate Student, Bryn Mawr College, 1906-08, and Graduate Scholar, 1908-10; Fellow by Courtesy, and Graduate Scholar, 1911-12; Teacher in the Misses Shipley's School, Bryn Mawr, 1906-10.
- SPENCER, FANNIE GRACE CLARA**, 1811 S. Third Street, Terre Haute, Ind.
Research Fellow in Chemistry, 1909-10. B.S., University of Illinois, 1908, and A.M., 1909. Teacher of Science and Bookkeeping in the East Chicago High School, 1910-11.
- STEVENS, NETTIE MARIA**, See page 9.
Fellow in Biology, 1902-03.
- STEWART, ANNE AMELIA**, 28 South Street, Halifax, N. S.
Fellow in Mathematics, 1886-87. University College, London, 1880-82; B.Sc., Dalhousie College, 1886. Teacher of Mathematics in Miss Mary E. Stevens's School, Germantown, Philadelphia, 1888-93, 1895-96; Student in Mathematics and Physics, Newnam College, University of Cambridge, England, 1893-95; Teacher of Mathematics in the Stevens' School, Germantown, 1896-99; Private Tutor, 1900-03, 1908-09; Teacher of Mathematics, St. Margaret's College, Toronto, Canada, 1903-04; Teacher of Mathematics, Miss Knox's School, Briarcliff Manor, N. Y., 1905-06.
- STREET, JENNETTE ATWATER**, 47 Lakeview Avenue, Cambridge, Mass.
Fellow in Latin, 1895-96. A.B., University of Toronto, 1895. Teacher of Classics, St. Margaret's College, Toronto, Canada, 1897-1901.
Married, 1901, *Professor Edward C. Jeffrey*.
- SWEET, MARGUERITE**, 250 West 72nd Street, New York City.
Fellow in English, 1891-92. A.B., Vassar College, 1887; Ph.D., Bryn Mawr College, 1892, subjects, English and Teutonic Philology. Graduate Student in Teutonic Philology and English, Bryn Mawr College, 1889-90, Graduate Scholar in Teutonic Philology, 1890-91; Instructor in English, Vassar College, 1892-97; Professor of English Literature, Mt. Holyoke College, 1897-99; Teacher of English in the Misses Ely's School, New York City, 1899-1905; Principal of the Hawthorne School, New York City, 1906-12.
- SWINDLER, MARY HAMILTON**, See page 13.
Fellow in Greek, 1907-09.
- TAYLOR, LILY ROSS**, 1002 S. Perry Street, Montgomery, Ala.
Fellow in Latin, 1907-08. A.B., University of Wisconsin, 1906. Graduate Scholar in Latin, Bryn Mawr College, 1906-07; Graduate Student in Greek and Latin, and Reader in Latin, 1908-09; Student, University of Bonn and American School of Classical Studies, Rome, 1909-10; Reader and Demonstrator in Archæology, Bryn Mawr College, 1910-12.
- THOMPSON, CHARLOTTE DE MACKLOT**, The Terraces, Camden, S. C.
Fellow in Romance Languages, 1896-97. A.B., Bryn Mawr College, 1896, group, Greek and French, and A.M., 1897.
- TIBBALS, KATE WATKINS**, Vassar College, Poughkeepsie, N. Y.
Fellow in English, 1901-02. A.B., Wellesley College, 1899; Ph.D., University of Pennsylvania, 1904. Graduate Scholar in English, Bryn Mawr College, 1900-01; Fellow in English, University of Pennsylvania, 1902-03, and University Fellow, 1903-04; Instructor in English, Wellesley College, 1904-05; Instructor in English Literature, Vassar College, 1905-10.
- TORELLE, ELLEN**, 1017 14th Avenue, S. E., Minneapolis, Minn.
Fellow in Biology, 1903-04. Ph.B., University of Minnesota, 1901, and A.M., 1902. Graduate Scholar, Bryn Mawr College, 1902-03; Dean of Milwaukee-Downer College and Professor of Biology, 1905-08; Scholar of the Naples Table Association for Promoting Scientific Research by Women, 1909-10.
- TOWLE, ELIZABETH WILLIAMS**, The Baldwin School, Bryn Mawr, Pa.
Fellow in Biology, 1899-1900. A.B., Bryn Mawr College, 1898, group, Chemistry and Biology, and A.M., 1899. Graduate Scholar in Physics and Biology, Bryn Mawr College, 1898-99; Teacher of Science in the High School, Middletown, Conn., 1900-01; Instructor in Biology, Rockford College, Rockford, Ill., 1901-03; Fellow in Physiology, University of Chicago, 1903-04; Graduate Student, Columbia University, 1904-06; Teacher of Physiology in Miss Jacob's School, New York City, 1904-05; Teacher of Science in the Baldwin School, Bryn Mawr, 1907-12.
- TRAYER, HOPE**, See page 25.
Fellow in English, 1903-04.

URDAHL, MARGERETHE, Charleston, Ill.

Fellow in Teutonic Philology, 1900-02, and Special Fellow in Teutonic Philology, 1902-03, L.B., University of Wisconsin, 1896, and Ph.D., Bryn Mawr College, 1904, subjects, Teutonic Philology, German Literature and Sanscrit. Student, University of Berlin, 1898 and 1899; University of Heidelberg, Summer Term, 1899; University of Christiania, October, 1899; Teacher of German and Latin in the Chelton Hills School, Wyncote, Pa., 1903-04; Teacher of German and History, Eastern Illinois State Normal School, Charleston, Ill., 1905-06.

Married, 1906, *Mr. Lewis Albert Anderson.*

VAN DEMAN, ESTHER BOISE, 2514 13th Street, Washington, D. C.

Fellow in Latin, 1892-93. A.B., University of Michigan, 1891, and A.M., 1892; Ph.D., University of Chicago, 1898. Instructor in Latin, Wellesley College, 1893-95; Teacher of Latin in the Bryn Mawr School, Baltimore, Md., 1895-96; Fellow in Latin, University of Chicago, 1896-98; Acting Professor of Latin, Mt. Holyoke College, 1898-99, and Associate Professor of Latin, 1899-1901; American School of Classical Studies, Rome, 1901-03; Associate Professor of Latin, the Woman's College, Baltimore, 1903-06; Fellow in Classical Archaeology of the Carnegie Institution, Rome, 1906-09, and Research Associate of the Carnegie Institution of Washington, 1910-13.

WADDELL, MARY EVELYN GERTRUDE, Orono, Ontario, Canada.

Fellow in Mathematics, 1904-05. A.B., University of Toronto, 1903, and A.M., 1904. Graduate Scholar in Mathematics and Physics, Bryn Mawr College, 1903-04; Instructor in Mathematics in St. Margaret's College, Toronto, and Graduate Student and Tutor, University of Toronto, 1906-12.

WALKER, ANNA MARTHA, 1300 Carroll Avenue, Los Angeles, Cal.

Fellow in Latin, 1905-06. A.B., Bryn Mawr College, 1895, group, Greek and Latin; A.M., Leland Stanford, Jr., University, 1901. Teacher of English in the National Institute for Girls, Guatemala City, Central America, 1896-97; Graduate Student, Leland Stanford, Jr., University, 1897-98, 1900-01; Graduate Student, Bryn Mawr College, Second Semester, 1898-99; Teacher in the Misses Wyllie's School, Mt. Holly, N. J., 1899-1900; Teacher of Latin and French in the High School, Ogden, Utah, 1901-02, and Teacher of Latin and Spanish, 1902-04; Student, American School of Classical Studies, Rome, 1904-05; Teacher of Greek in the High School, Los Angeles, Cal., 1906-12.

WARREN, WINIFRED, See page 26.

Fellow in Latin, 1893-94.

WEEKS, EULA ADELINE, See page 19.

Fellow in Mathematics, 1909-10.

WERGELAND, AGNES MATHILDE, Laramie, Wyo.

Fellow in History, 1890-91. Studied under the Direction of Prof. Konrad Maurer, Munich, 1884-86; University of Zürich, 1888-90; Ph.D., University of Zürich, 1890. Reader in History of Art, Bryn Mawr College, 1891-93; Docent in History, University of Chicago, 1896-1902, and Non-Resident Reader in History, University Extension Division, 1903-05, and Non-Resident Instructor, 1906-09; Professor of History and French, University of Wyoming, 1902-09, and of History and Spanish, 1909-12.

WHITE, FLORENCE DONNELL, Vassar College, Poughkeepsie, N. Y.

Fellow in French, 1907-08. A.B., Mt. Holyoke College, 1903, and A.M., 1907. Student, University of Paris, 1903-04; Graduate Scholar in Romance Languages, Bryn Mawr College, 1906-07; Instructor in French, Vassar College, 1908-12.

WILKINSON, ANNIE LYNDASAY,

623 Westview Street, Germantown, Philadelphia.

Fellow in Mathematics, 1899-1900. A.B., Vassar College, 1897, and A.M., 1898. Graduate Scholar, Vassar College, 1897-98. Babbott Fellow of Vassar College, and Graduate Scholar in German and Mathematics, Bryn Mawr College, 1898-99; Instructor in Mathematics, Vassar College, 1900-02.

Married, 1902, *Dr. Joseph Head.*

WILLIAMS, ELLA CORNELIA, 609 West 127th Street, New York City.

Fellow in Mathematics, 1885-86. A.M., University of Michigan, 1880. Studied under Professor Schwarz, Göttingen, Germany, 1883-85; Newnham College, University of Cambridge, England, Spring Term, 1884; Teacher of Mathematics in Miss Moses's School, New York City, 1886-87; Teacher of Mathematics in the State Normal School, Plymouth, N. H., 1887-89; Teacher of Mathematics in Miss Spence's School, New York City, 1892-1912.

WILLIS, GWENDOLEN BROWN, 941 Lake Avenue, Racine, Wis.

Fellow in Greek, 1902-04. A.B., University of Chicago, 1896, Ph.D., Bryn Mawr College, 1906, subjects, Greek and Archæology. Graduate Student, University of Chicago, 1900-01; American School of Classical Studies, Athens, 1901-02; Professor of Greek, Milwaukee-Downer College, and Teacher of Latin in Milwaukee-Downer Seminary, 1904-12; Student in Columbia University, on leave of absence, 1910-11.

WINSTON, MARY FRANCES, 1620 Massachusetts Street, Lawrence, Kan.

Fellow in Mathematics, 1891-92. A.B., University of Wisconsin, 1889; Ph.D., University of Göttingen, 1897; Teacher of Mathematics, Downer College, 1889-91; Honorary Fellow in Mathematics, University of Chicago, 1892-93; Holder of the European Fellowship of the Association of Collegiate Alumni, 1895-96; Student in Mathematics, University of Göttingen, 1893-96; Professor of Mathematics, Kansas State Agricultural College, 1897-1900.

Married, 1900, *Mr. Henry Byron Newson*.

WOOD, IDA, 2038 Spring Garden Street, Philadelphia.

Fellow in English, 1888-89. A.B., Vassar College, 1877, and A.M., 1889; Ph.D., Bryn Mawr College, 1891. Graduate Student in English, Bryn Mawr College, 1887-88, 1889-90, and Fellow by Courtesy in English, 1890-91; Secretary of the Woman's Department, University of Pennsylvania, 1892-93; Secretary of the Bryn Mawr School, Baltimore, Md., 1894-96.

SUMMARY OF FELLOWSHIPS AWARDED.

EUROPEAN FELLOWSHIPS.	Founded.	Number of Holders.
Bryn Mawr European.....	By the Trustees in 1885.....	21
Mary E. Garrett European.....	By Miss Garrett in 1904.....	16
President M. Carey Thomas		
European.....	By Miss Garrett in 1896.....	14
Anna Ottendorfer Memorial Research Fellowship in Teutonic Philology.....	By Mrs. Anna Woerishoffer in 1907.....	3
Bryn Mawr Research, given by anonymous donor in 1906.....		1
Special European, given by anonymous donor in 1909.....		1
Total number of European Fellows.....		56

RESIDENT FELLOWSHIPS.	Founded by the Trustees in	Number of Holders.
In Greek.....	1885.....	22**††
In Latin.....	1892.....	18
In English.....	1885.....	22*§
In Teutonic Philology.....	1893.....	12††
In Romance Languages.....	1893.....	12§
In History and Economics and Politics.....	1885.....	25§
In Philosophy.....	1896.....	8§§
In Archæology.....	1909.....	1§
In Mathematics.....	1885.....	21
In Physics.....	1896.....	11
In Chemistry.....	1893.....	16††
In Biology.....	1885.....	20
Research Fellowship in Chemistry.....	1907.....	3†§
Total number of Resident Fellows, omitting duplicates.....		186
Total.....		242‡

* Two students have held Fellowships in English who also held Fellowships in other subjects.

† Two of these students previously held a Fellowship in Chemistry.

‡ Of these twenty-eight have held both European and Resident Fellowships.

§ One student held this Fellowship for two years.

** One of these students previously held a Fellowship in Latin and one a Fellowship in English.

†† Two students held this Fellowship for two years.

§§ Three students held this Fellowship for two years.

BRYN MAWR COLLEGE.

GRADUATE COURSES OF INSTRUCTION.

BRYN MAWR COLLEGE, situated at Bryn Mawr, Pennsylvania, five miles from Philadelphia, was endowed by Dr. Joseph W. Taylor of Burlington, New Jersey, who purposed founding an institution of learning for the advanced education of women which should afford them "all the advantages of a college education that are so freely offered to young men." In the spring of 1885 the first program was issued, and the college opened for instruction in the following autumn.

Three classes of persons are admitted to the lectures and class work of the college—graduate students, undergraduate students, and hearers. For the convenience of graduate students the regulations of the graduate department and the graduate courses of instruction are published separately. No undergraduates are admitted to graduate courses.

Regulations of the Graduate Department.

From the first it has been the policy of the Trustees of Bryn Mawr College to organise no department in which they could not provide for graduate as well as undergraduate study. Only such instructors have been chosen as are qualified to direct both graduate and undergraduate work. In each department a consecutive series of graduate courses pursued throughout three years provides preparation in the chief or major subject of the examination for the degree of Doctor of Philosophy, and certain courses may be pursued for one or two years and offered as one of the two minor or secondary subjects.

Admission.

Graduate students must have presented a diploma from some college of acknowledged standing.* They may pursue any

* The certificates of the women's colleges of the English universities of Oxford and Cambridge, are regarded as equivalent to a first degree,—i. e., to the degree of Bachelor of Arts.

courses offered by the college for which their previous training has fitted them; but they must satisfy the several instructors of their ability to profit by the courses they desire to follow, and may be required to pursue certain introductory or auxiliary studies before they are admitted to the advanced or purely graduate courses. They are, moreover, entitled to personal guidance and direction, supervision of their general reading and furtherance of their investigations, from the instructors, and their needs will be considered in the arrangement of new courses of lectures; they must consult the President in regard to the courses they are to pursue, and must be duly registered for those courses at the President's office.

A reading knowledge of French and German is regarded as of the utmost importance to all graduate students, and is required of all candidates for a second degree. The undergraduate department will afford the student every opportunity for making good any deficiencies in this respect.

Fellowships and Scholarships.

The most distinguished place among the graduate students is held by the Fellows, who must reside in the college during the academic year. Fifteen resident fellowships, of the value of five hundred and twenty-five dollars each, are awarded annually in Greek, Latin, English, German and Teutonic Philology, Romance Languages, Semitic Languages and Biblical Literature, History, Economics and Politics, Philosophy, Archæology, Mathematics, Physics, Chemistry, Geology, and Biology. They are open for competition to graduates of Bryn Mawr College, or of any other college of good standing, and will be awarded only to candidates who have completed at least one year of graduate work after obtaining their first degree. The fellowships are intended as an honor, and are awarded in recognition of previous attainments; generally speaking, they will be awarded to the candidates that have studied longest or to those whose work gives most promise of future success.

The holder of a fellowship is expected to devote at least one half her time to the department in which the fellowship is awarded, and to show, by the presentation of a thesis or in some other manner, that her studies have not been without

result. All fellows may study for the degree of Doctor of Philosophy, the fellowship being counted, for this purpose, as equivalent to the degree of Bachelor of Arts. Fellows that continue their studies at the college after the expiration of the fellowship, may, by a vote of the directors, receive the rank of Fellows by Courtesy.

A Research Fellowship in Chemistry was founded and awarded for the first time in 1907. It is open to graduate students who have received the degree of Doctor of Philosophy or who have completed equivalent work. The fellowship is of the value of seven hundred and fifty dollars, and the holder is required to reside at Bryn Mawr College for one year and to assist the head of the Department of Chemistry in research work.

Fellows are expected to attend all college functions, to wear academic dress, to assist in the conduct of examinations, and to give about an hour a week to the care of special libraries in the halls of residence and in the seminaries, but no such service may be required of them except by a written request from the president's office; they are not permitted, while holding the fellowship, to teach, or to undertake any other duties in addition to their college work. Fellows are required to reside in the college and are assigned rooms by the Secretary of the College. They are charged the usual fee of four hundred and five dollars for tuition, board, room rent, and infirmary fee.

Twenty Graduate Scholarships, of the value of two hundred dollars each, may be awarded to candidates next in merit to the successful candidates for the fellowships; they are also open for competition to graduates of Bryn Mawr College, or of any other college of good standing. Scholars are expected to reside in the college, to attend all college functions, to wear academic dress and assist in the conduct of examinations.

One Graduate Scholarship in Political Theory of the value of two hundred and fifty dollars was founded in 1910 in memory of Susan B. Anthony, and is awarded to the candidate wishing to devote herself to studies in political theory whose work shows most promise of future success.

Ten Graduate Scholarships, of the value of four hundred and five dollars each were founded in 1909 and are open,

five to English, Scotch, or Irish women, and five to German women, whose academic work has reached a standard equivalent to that denoted by the Bachelor's degree of any American college or university of acknowledged standing. The amount of the scholarship, four hundred and five dollars, covers the fees for tuition, board, residence, and infirmary fee for the academic year. A furnished single room is assigned to each scholar, but this is not available in the Christmas and Easter vacations when scholars who remain at the college have to pay the expenses of board and residence at approximately the same rate as is charged for graduate students during the academic year.

Application for resident fellowships or scholarships should be made as early as possible to the President of the College, and must be made not later than the fifteenth* of April preceding the academic year for which the fellowship or scholarship is desired. Blank forms of application will be forwarded to the applicants. A definite answer will be given within two weeks from the latest date set for receiving applications. Any original papers, printed or in manuscript, which have been prepared by the applicant and sent in support of her application, will be returned, when stamps for that purpose are enclosed, or specific directions for return by express are given. Letters or testimonials from professors and instructors will be filed for reference.

The Anna Ottendorfer Memorial Research Fellowship in German and Teutonic Philology of the value of seven hundred dollars applicable to the expenses of one year's study and residence at some German university is awarded annually to a graduate student who has completed at least one year of graduate study at Bryn Mawr College. The fellowship will be awarded to the candidate who has pursued the most advanced work, or whose studies afford the most promise of future success. She must show such proficiency in her studies or in independent work as to furnish reason to believe that she will be able to

* In the case of candidates for the Scholarships open to British and German women, applications must be received by April the first. Applications for the scholarships should be accompanied by full particulars of the candidate's academic work by diplomas or certificates and by letters of recommendation from professors and should be addressed in the case of British candidates to the President of Bryn Mawr College, Bryn Mawr, Pennsylvania, U. S. A., and in the case of German candidates to *Seiner Excellenz dem Herrn Staatssekretär des Innern, Reichsamt des Innern, Berlin, Germany.*

conduct independent investigations in the field of Teutonic Philology or German.

Two European fellowships, founded by Miss Garrett, of Baltimore, are open to graduate students who are enrolled as candidates for the degree of Doctor of Philosophy. One, founded in 1896, and named by the donor the President M. Carey Thomas Fellowship, is awarded annually on the ground of excellence in scholarship to a student in her first year of graduate work at Bryn Mawr College; the other, founded in 1894, and known as the Mary E. Garrett Fellowship, is awarded annually on the ground of excellence in scholarship to a student still in residence who has for two years pursued graduate studies at Bryn Mawr College. These fellowships, of the value of five hundred dollars each, are intended to defray the expenses of one year's study and residence at some foreign university, English or Continental. The choice of a university may be determined by the holder's own preference, subject to the approval of the Faculty.

Studies Leading to a Second Degree.

Graduates of Bryn Mawr College, and graduates of other colleges, who shall have satisfied the Academic Council that the course of study for which they received a degree is equivalent to that for which the degree of Bachelor of Arts is given at Bryn Mawr College, or who shall have attended such additional courses of lectures as may be prescribed, may apply to the Academic Council to be enrolled as candidates for the degree of Doctor of Philosophy and Master of Arts; admission to the graduate school does not, in itself, qualify a student to become a candidate for this degree. A separate degree of Master of Arts is open to graduates of Bryn Mawr College, but to them only.

The Degree of Master of Arts.

The candidate for the degree of Master of Arts must be a Bachelor of Arts of Bryn Mawr College and must have studied for one full year in the graduate school of Bryn Mawr College, devoting herself to systematic advanced work approved by the Graduate Committee of the Academic Council. The candidate

must submit her proposed course of study for the approval of this committee on or before the second Wednesday in November. She must pass a special written examination on each subject to the satisfaction of the department in which she has studied, and must announce her candidacy to the President not later than the first day of May in the academic year in which the degree is to be conferred.

The Degree of Doctor of Philosophy and Master of Arts.

The degree of Doctor of Philosophy and Master of Arts may be conferred upon graduates of Bryn Mawr College, and upon graduates of other colleges who shall have satisfied the Academic Council either that the course of study for which they received a degree is equivalent to that for which the degree of Bachelor of Arts is given by Bryn Mawr College, or that it has been adequately supplemented by subsequent study.

The candidate must have pursued for at least three years after having received the first degree a course of liberal (non-professional) study at some college or university approved by the Academic Council, and must have spent at least two of these years at Bryn Mawr College. The course of study leading to the degree of Doctor of Philosophy and Master of Arts must consist of one principal, or major, subject and one or two subordinate, or minor, subjects and must be divided between at least two departments. Two-thirds of the candidate's time should be spent on the major subject and the remaining one-third on the minor subject or subjects, and the suggested combination of major and minor subjects for the final examination must have been submitted for approval to the Graduate Committee. The candidate may be required to pursue certain auxiliary studies in connection with the subject that she has elected; and the degree of Doctor of Philosophy is given to no one who cannot read French and German, or who is unacquainted with Latin. The candidate must have written, on some subject connected with her major subject of study, a dissertation approved by the Faculty that bears satisfactory evidence of original research and must pass written examinations and an oral examination in the presence of the members of the Faculty on both major and minor subjects. These

examinations are held after the dissertation has been accepted by the department in which it is offered and must be taken within the academic year in which the candidate applies for the degree. The degree is not conferred until the candidate has satisfied the above requirements and deposited one hundred and fifty printed copies of her dissertation, bound according to a prescribed model, in the office of the Secretary of the College, and one copy specially bound for deposit in the library. The degree of Doctor of Philosophy will in no case be conferred by the college as an honorary degree.

Expenses.

For graduate students attending six or more hours a week of lectures, and for fellows and graduate scholars the tuition fee is one hundred and twenty-five dollars a year, payable half-yearly in advance. For other graduate students who do not wish to devote all their time to graduate work the fees are as follows, payable in advance: for one hour a week of lectures, ten dollars a semester; for two hours a week of lectures, twenty dollars a semester; for three hours a week of lectures, thirty dollars a semester; and for four or five hours a week of lectures, forty dollars a semester.* This arrangement is made especially for non-resident graduate students, but those who wish to take five hours a week of lectures, or less may live in the college halls on the understanding that they must give up their rooms if needed for students who are taking the full amount of graduate work and paying the regular tuition fee. The tuition fee for the semester becomes due as soon as the student is registered in the college office. No reduction of this fee can be made on account of absence or for any other reason whatsoever. Graduate students are admitted to residence or to attendance on lectures at any time during the year, and in this

* The fees charged are reckoned on the basis of the actual hours of conference or lecture, irrespective of the number of undergraduate hours to which the course is regarded as equivalent.

In counting the number of hours for which a graduate is registered the following special arrangements are made in regard to laboratory courses: payment for a one hour lecture course in a scientific department entitles the student to four hours of laboratory work in addition with no extra charge except the laboratory fee. Students registered for laboratory work only, are charged the following tuition fee: for each two and one-half hours of undergraduate laboratory course and for each five hours of graduate laboratory course the same fee as for a one hour lecture course. The laboratory fees as stated on page 52 are charged in addition to the charge for tuition.

case a proportionate reduction is made in the charges for board and room-rent and for tuition. Every student who enters the college must register immediately at the comptroller's office, and must register her courses at the president's office within two weeks after entrance under penalty of exclusion from the college. Any change made later in the courses registered must be reported immediately to the president's office, or the courses will not be permitted to count, and a charge of one dollar will be made for each change made in the course after it has been definitely registered.

Graduate students taking courses in scientific departments (Physics, Chemistry, Geology, Biology, and Psychology) amounting to six or more hours a week of lecture courses or its equivalent in laboratory courses are charged a laboratory fee of eighteen dollars a semester with the following exceptions: if the student takes, as a regular student, courses in subjects not enumerated above amounting to six hours a week the laboratory fee is reduced to twelve dollars a semester; and if she takes, as a regular student, courses in subjects not enumerated above amounting to ten hours a week the laboratory fee is reduced to six dollars a semester.

Graduate students taking less than six hours a week of lectures, or its equivalent in laboratory work, are charged a laboratory fee of ten dollars a semester for every laboratory course of four or more hours a week, and of five dollars a semester for every laboratory course of less than four hours a week.

In courses in geology each hour of field work counts as one hour of laboratory work.

Residence.

Residence in the college buildings is optional except for holders of resident fellowships and scholarships. In each hall of residence, except Merion Hall, a special wing or corridor is reserved for graduate students, and in order to secure entire quiet no undergraduate students are permitted to engage rooms in the graduate wings. The expense of board and residence in the graduate wings of the college halls is two hundred and seventy-five dollars. Of this amount two hundred dollars is the charge for board, and is payable half-yearly in advance; the remainder is room rent, and is payable yearly in advance. Every student has a separate bedroom. Room-rent includes all expenses of furnishing, service, heating, and light.

Plans and descriptions of the academic buildings and of the halls of residence, Merion Hall, Radnor Hall, Denbigh Hall, Pembroke Hall West, Pembroke Hall East, and Rockefeller Hall, with a full account of the halls and tariff of rooms, are published as Part 4 of the Bryn Mawr College Calendar and may be obtained by application to the Secretary of the College.

Each of the halls of residence (except Pembroke, which has a common dining-hall and kitchen for the two wings) has its separate kitchen and dining-hall, provides accommodation for from sixty to seventy students, and is under the charge of a resident warden.

Application for rooms should be made as early as possible. The demand for graduate rooms is very great, and since every room unnecessarily reserved may prevent some other student from entering the college, a deposit of fifteen dollars is required in order that the application may be registered. In case the applicant enters the college in the year for which the room is reserved, the amount of the deposit is deducted from the first college bill. If she changes the date of her application or files formal notice of withdrawal at the secretary's office before July fifteenth of the year for which the application is made, the deposit will be refunded. If, for any reason whatever, the change or withdrawal be made later than July fifteenth, the amount will be forfeited. Students making application for a room in February forfeit the deposit if they do not file formal notice of withdrawal at the secretary's office before December first of the academic year for which the room is reserved. In order to make application for a room it is necessary to sign a room-contract, which will be sent on application, and return it with the fee of fifteen dollars to the Secretary of the College. A deposit of fifteen dollars must also be made by each student in residence in order to insure the tenure of her room for the following academic year. This sum will be forfeited if formal notice of withdrawal is not filed at the secretary's office on or before May first of the current year.

Every applicant giving up later than the first of September the room or suite of rooms assigned to her for the ensuing academic year is responsible for the rent thereof for the whole year. Every applicant for a room in February will be responsible for the rent of the room or suite of rooms assigned to her for one semester, unless she gives formal notice of withdrawal to the Secretary before the first of January. The charges for room rent are not subject to remission or deduction under any circumstances, being considered forfeit in case of withdrawal for any cause whatever. The applicant is not entitled to relet

the rooms thus left vacant, but this right the college reserves to itself. No refund will be made to the applicant in case the room or suite of rooms thus left vacant is relet by the college. Any student who changes her room is required to pay an extra fee of fifteen dollars.

Students are expected to provide their own rugs and towels, but in every other respect the rooms are completely furnished. Electric reading lamps, table napkins, sheets, etc., are provided by the college. No part whatever need be taken by the students in the care of their own rooms.

There are open fire-places in nearly all the studies and in many single rooms, but the rooms are sufficiently heated by steam. The air in each room is changed every ten minutes, and the temperature is regulated by a thermostat in each room. The students' personal washing may be done by any laundry recommended by the college for 50 cents a dozen, or about \$8 a half-year for one dozen pieces a week.

No charge is made for sending meals to students that are in the infirmary by the order of a physician.

Accommodation is provided for graduate students that wish to remain at the college during the Christmas and Easter vacations at \$1.25 a day or \$8.75 a week.

The health of the students is under the charge of a Health Committee consisting of the President, the Dean of the College, the Director of Athletics, the Senior Warden, and the physicians of the college.

The Visiting Physician of the College is in her office in the college during the hours from four to six of every afternoon, except Sunday, and may be consulted by the students without charge.

Every student entering the college will be vaccinated unless she can furnish satisfactory proof that she has been successfully vaccinated not more than two years previously.

The conduct of the students in all matters not purely academic, or affecting the management of the halls of residence, or the student body as a whole, is in the hands of the Students' Association for Self-Government, which was organised in 1892. All persons studying in Bryn Mawr College, whether graduates or undergraduates, are members of this association.

The college reserves the right to exclude at any time students whose conduct or academic standing renders them undesirable members of the college community, and in such cases the fees due to the college are not refunded or remitted.

In 1893 the Bryn Mawr Graduate Club was organised by the graduate students then in residence, its object being to further the social life of the graduate students and to facilitate inter-

change of opinion with other colleges and universities doing graduate work. A room in Denbigh Hall is set apart by the college to be used by the members as a club-room. Informal meetings are frequently held in these rooms, and several times during the year the club invites the Faculty and friends of the college to larger social gatherings, which are addressed by well-known speakers.

Summary of Expenses of Graduate Students.

Tuition for the semester, payable on registration:

For one hour* a week of lectures.....	\$ 10.00
For two hours a week of lectures.....	\$ 20.00
For three hours a week of lectures.....	\$ 30.00
For four or five hours a week of lectures.....	\$ 40.00
For six or more hours a week of lectures.....	\$ 62.50
Room-rent for the academic year, payable on registration.....	\$ 75.00
Board for the semester payable on registration.....	\$100.00

Total expenses for the academic year:

Tuition fee, for six or more hours a week of lectures.....	\$125.00
Room-rent.....	\$ 75.00
Board.....	\$200.00
Infirmary fee.....	\$ 5.00

Total for tuition, residence, and infirmary care for the academic year. . \$405.00

Laboratory fees for the academic year.....\$10 to \$36

Students whose fees are not paid before November first in the first semester and before March first in the second semester are not permitted to continue in residence or in attendance on their classes.

THE STUDENTS' LOAN FUND OF BRYN MAWR COLLEGE was founded by the Class of 1890 for the purpose of receiving contributions, however small, from those who are interested in aiding students to obtain an education. The money thus contributed is distributed in the form of partial aid, and as a loan. It is as a rule applied to the assistance of those students only who have attended courses in the college for at least one year. The Fund is managed by a committee consisting of the President of the College and representatives of the Alumnae Association of Bryn Mawr College. The committee reports yearly to the Board of Trustees and to the Alumnae Association. The committee consists of the following members: President M. Carey Thomas; Miss Martha G. Thomas, Secretary and Treasurer, Bryn Mawr College; Mrs. Bernard Todd Converse, Ardmore, Pa.; Miss Anne Hampton Todd, 2115 Spruce Street, Philadelphia; Miss Kathrine Leonard Howell, 3307 Hamilton Street, Philadelphia, and Mrs. Edward Wyatt Evans, Villa Nova, Pa. Contributions may be sent to any member of the committee. Applications for loans should be sent to the Treasurer of the committee, and all applications for loans for any given year should be made before May 1st of the preceding academic year.

* See footnote page 51.

Libraries.

The fact that the college is situated in the suburbs of Philadelphia enables the student to make use of all the resources of the libraries of Philadelphia, as well as those of the college proper.

The college library has been collected within the past twenty-five years, and is designed to be, as far as possible, a library for special study. There are at present on its shelves about sixty-five thousand bound volumes, and ten thousand dissertations and pamphlets, the collection including the classical library of the late Professor Sauppe, of Göttingen, which was presented to the college in 1894, and the Semitic library of the late Professor Amiaud, of Paris, acquired in 1892. A more detailed description of these two collections may be found on pages 64 and 89.

The sum of about seven thousand dollars is expended yearly for books under the direction of the heads of the several collegiate departments, and, in addition to many gifts of books, about twenty thousand dollars has been presented to the library during the past ten years for expenditure in special departments. Over four hundred publications and reviews in the English, German, Greek, French, Italian, Spanish, Norse, and Swedish languages, are taken by the library, as follows:

General and Miscellaneous Periodicals.

Academy.	Deutsche Rundschau.
American Magazine.	Dial.
Annales Politiques et Littéraires.	Everybody's Magazine.
Athenæum.	Fortnightly Review.
Atlantic Monthly.	Forum.
*Bibliothèque de la Faculté des Lettres de l'Université de Paris.	Göttingische Gelehrte Anzeigen.
Bookman.	Harper's Monthly Magazine.
Bookman (English).	Harper's Weekly.
*Book News Monthly.	Harvard Graduate Magazine.
Bookseller.	Internationale Wochenschrift für Wissen- schaft, Kunst u. Technik.
*Bryn Mawr Alumnae Quarterly.	Jahresverzeichnis der an den deutschen Schulanstalten erschienenen Abhand- lungen.
Bulletin of Bibliography.	*Johns Hopkins University, Circulars.
*Bulletin of the New York Public Library. Century.	Library Journal.
Collier's Weekly.	McClure's Magazine.
*Columbia University Quarterly.	Mercure de France.
Contemporary Review.	Mind and Body.
Country Life in America.	*Monthly Bulletin of the Carnegie Library of Pittsburgh.
La Cultura.	
Cumulative Book Index.	

Münchener allgemeine Zeitung.
 Nachrichten von der Königlichen Gesellschaft der Wissenschaften, Göttingen.
 Nation.
 Nationale Deutschland.
 Neue Rundschau.
 Nineteenth Century.
 North American Review.
 Notes and Queries.
 Nuova Antologia.
 Outlook.
 *Pennsylvania Library Notes.
 Preussische Jahrbücher.
 Publishers' Weekly.
 Punch.
 Quarterly Review.
 Reader's Guide to Periodical Literature.
 Review of Reviews.
 Revue Critique d'Histoire et de Littérature.

Revue de Paris.
 Revue des Deux Mondes.
 Revue Politique et Littéraire: Revue Bleue.
 Saturday Review.
 Scribner's Magazine.
 Sewanee Review.
 Spectator.
 Der Türmer.
 *Tipyn o' Bob.
 *University of California, Publications.
 *University of Colorado, Studies.
 *University of Missouri, Studies.
 *University of Nebraska, Studies.
 *University of Nevada, Studies.
 *University of Texas, Studies.
 *University of Washington, Studies.
 Westminster Review.
 Die Woche.
 World's Work.

Newspapers.

*Bryn Mawr Record.
 New York Evening Post.
 New York Times.

New York Tribune.
 Philadelphia Public Ledger.
 The Times (London), Weekly Edition.

Art and Archæology.

American Journal of Archæology.
 Bulletin de Correspondance hellénique.
 *Bulletin of the Metropolitan Museum of Art, New York.
 Burlington Magazine.
 Ephemeris Archæologike.
 Gazette des Beaux Arts.
 Jahrbuch des Kaiserlich deutschen archæologischen Instituts.
 Jahresbericht über die Fortschritte der classischen Alterthumswissenschaft.
 Jahreshefte des österreichischen archæologischen Instituts in Wien.

Journal of Hellenic Studies.
 Mittheilungen des Kaiserlich deutschen archæologischen Instituts, Athenische Abteilung.
 Mittheilungen des Kaiserlich deutschen archæologischen Instituts, Römische Abteilung.
 *Museum of Fine Arts Bulletin, Boston.
 Revue Archéologique.
 Zeitschrift des Deutschen Palästina Vereins.

Economics and Politics.

*Advocate of Peace.
 Allgemeines statistisches Archiv.
 American Federationist.
 American Journal of Sociology.
 American Political Science Review.
 Annals of the American Academy of Political and Social Science.
 Bibliographia Economica Universalis.
 Bibliography of Social Science.
 *Bulletin of the New York State Department of Labor.
 *Bulletin of the University of Wisconsin, Economics and Political Science Series.

Case and Comment.
 *City Club Bulletin.
 Columbia Law Review.
 *Daily Consular Trade Reports.
 Economic Journal.
 Economic Review.
 Equity Series.
 Harvard Law Review.
 International Socialist Review.
 Jahrbücher für Nationalökonomie u. Statistik.
 Johns Hopkins University Studies in Historical and Political Science.

Journal of Political Economy.
 Journal of the Royal Statistical Society.
 Political Science Quarterly.
 Publications of the American Economic Association.
 Publications of the American Statistical Association.
 Quarterly Journal of Economics.
 Revue Bibliographique.
 *Southern Workman.
 Survey.

*University of Missouri Studies, Social Science Series.
 *University of Pennsylvania Publications, Series in Political Economy and Public Law.
 Vierteljahrschrift für Philosophie u. Soziologie.
 *Visiting Nurse Quarterly.
 Yale Review.
 Zeitschrift für Socialwissenschaft.
 Zeitschrift für Volkswirtschaft, Socialpolitik u. Verwaltung.

Education.

Education.
 Educational Review.
 Educational Times.
 Elementary School Teacher.
 Journal of Educational Psychology.
 Journal of Pedagogy.
 *Journal of the Association of Collegiate Alumnae.
 Lehrproben und Lehrgänge.
 Manual Training Magazine.

Padagogische Studien.
 Pedagogical Seminary.
 Revue Internationale de l'Enseignement Supérieur.
 Revue Universitaire.
 School Review.
 *University of California Publications, Education.
 Vocational Education.
 Zeitschrift für Schulgesundheitspflege.

History.

American Historical Review.
 *Bulletin of the University of Wisconsin, History Series.
 English Historical Review.
 Historische Vierteljahrschrift.
 Historische Zeitschrift.
 *Illinois State Historical Society Journal.
 Klio, Beiträge zur alten Geschichte.

Pennsylvania Magazine of History.
 Revue des Questions Historiques.
 Revue Historique.
 *University of Pennsylvania Publications, Series in History.
 *University of Toronto Studies, History and Economics.

Philology and Literature, Classical.

Bulletin Bibliographique et Pédagogique du Musée Belge.
 Classical Journal.
 Classical Philology.
 Classical Quarterly.
 Classical Review.
 Classical Weekly.
 Harvard Studies in Classical Philology.
 Hermes.
 Journal of Hellenic Studies.
 Journal of Roman Studies.
 Mnemosyne.
 Le Musée Belge, Revue de Philologie Classique.

Philologische Untersuchungen.
 Quellen und Forschungen zur lateinischen Philologie.
 Revue de Philologie.
 Revue des Etudes Grecques.
 Rheinisches Museum für Philologie.
 Rivista di Filologia.
 Studi Italiani di Filologia Classica.
 Studi Storici per l'Antichità Classica.
 Wiener Studien, Zeitschrift für classische Philologie.
 Wochenschrift für klassische Philologie.

Philology and Literature, General and Comparative.

American Journal of Philology.
 Berliner philologische Wochenschrift.
 Eranos.
 Indogermanische Forschungen.

Journal of Philology.
 Memoires de la Société Neo-philologique à Helsingfors.

Neue Jahrbücher für das klassische Altertum, Geschichte und deutsche Literatur.
Transactions of the American Philological Association.

*University of Pennsylvania Publications,
Series in Philosophy and Literature.
Zeitschrift für das Gymnasialwesen.

Zeitschrift für die österreichischen Gymnasien.

Zeitschrift für vergleichende Literaturgeschichte.

Zeitschrift für vergleichende Sprachforschung.

Philology and Literature, Modern.

Anglia.

Anglistische Forschungen.

Annales de la Société Jean-Jacques Rousseau.

Annales Romantiques.

Archiv für das Studium der neueren Sprachen.

Archivio Glottologico Italiano.

Arkiv for Nordisk Filologi.

Beiblatt zur Anglia: Mitteilungen über englische Sprache und Litteratur.

Beiträge zur Geschichte der deutschen Sprache und Literatur.

Bonner Studien zur englischen Philologie.

British Society of Franciscan Studies.

Bulletin de la Société des Anciens Textes Français.

Bulletin hispanique.

Chaucer Society, Publications (both series).

Deutsche Literaturzeitung.

Dialect Notes.

Early English Text Society Publications (both series).

Englische Studien.

Euphoriön.

German American Annals.

Germanisch-romanische Monatsschrift.

Giornale Dantesco.

Giornale Storico della Letteratura Italiana.

Goethe Jahrbuch.

Jahrbuch der deutschen Shakespeare Gesellschaft.

Jahrbuch des Vereins für niederdeutsche Sprachforschung.

Jahresbericht über die Erscheinungen auf dem Gebiete der germanischen Philologie.

Journal of German Philology.

Kieler Studien zur englischen Philologie.

Korrespondenzblatt des Vereins für niederdeutsche Sprachforschung.

Kritischer Jahresbericht über die Fortschritte der romanischen Philologie.

Literarische Echo.

Literarisches Centralblatt.

Literaturblatt für germanische und romanische Philologie.

Le maître Phonétique.

Modern Language Notes.

Modern Language Review.

Modern Philology.

Münchener Beiträge zur romanischen und englischen Philologie.

Palaestra.

Poet-lore.

Praeger deutsche Studien.

Publications of the Modern Language Association.

Quellen und Forschungen zur Sprach- und Culturgeschichte der germanischen Völker.

Rassegna Bibliografica.

Revue d'Histoire Littéraire de la France.

Revue des Etudes Rabelaisiennes.

Revue Germanique.

Revue Hispanique.

Romania.

Romanische Forschungen.

Schriften der Goethe Gesellschaft.

Scottish Text Society, Publications.

Société des Anciens Textes Français, Publications.

Société des Textes Français Modernes, Publications.

Studi Medievali.

Wiener Beiträge zur englischen Philologie.

Zeitschrift für den deutschen Unterricht.

Zeitschrift für deutsche Philologie.

Zeitschrift für deutsches Altertum und deutsche Litteratur.

Zeitschrift für französische Sprache und Litteratur.

Zeitschrift für romanische Philologie.

Philology and Literature, Semitic.

American Journal of Semitic Languages and Literatures.

Jewish Quarterly Review.

Proceedings of the Society of Biblical Archaeology.

Recueil d'archéologie orientale.

Recueil de Travaux relatifs à la Philologie
et à l'Archéologie égyptiennes et
assyriennes.

Zeitschrift für ägyptische Sprache und
Altertumskunde.
Zeitschrift für Assyriologie.

Philosophy and Psychology.

American Journal of Psychology.
Année Psychologique.
Archiv für die gesamte Psychologie.
Archiv für Geschichte der Philosophie.
Archiv für systematische Philosophie.
Archives de Psychologie.
British Journal of Psychology.
Bulletin de l'Institut Psychologique.
International Journal of Ethics.
Journal de Psychologie.
Journal für Psychologie und Neurologie.
Journal of Philosophy, Psychology and
Scientific Methods.
Mind.
Monist.
Philosophical Magazine.
Philosophical Review.
Psychological Bulletin.
Psychological Review.

Psychological Review; Monograph Sup-
plements.
Psychological Review; Psychological Index.
Psychologische Arbeiten.
Psychologische Studien.
Revue de l'Hypnotisme.
Revue de Metaphysique.
Revue Philosophique.
*University of California Publications,
Philosophy.
*University of Toronto Studies, Psychology
Series.
Vierteljahrsschrift für wissenschaftliche
Philosophie.
Zeitschrift für Psychologie und Physio-
logie der Sinnesorgane: 1 abt., Zeit-
schrift für Psychologie. 2 abt., Zeit-
schrift für Sinnesphysiologie.

Religion.

American Friend.
American Journal of Religious Psychology
and Education.
American Journal of Theology.
†Association Monthly.
†Australasian Intercollegian.
*Baptist Missionary Magazine.
†Bible Student and Teacher.
Biblical World.
Bibliotheca Sacra.
*Deaconess Advocate.
†Deutsche christliche Studenten-Bewegung-
Mitteilungen.
†Evangel.
Expositor.
Expository Times.
*Friends' Missionary Advocate.
*Hartford Seminary Record.
Harvard Theological Review.

†Herald of Gospel Liberty.
†Intercollegian.
Journal of Biblical Literature.
Journal of Theological Studies.
†Medical Missionary.
†Missionary Review.
Proceedings of the Society of Biblical
Archæology.
*Publications of the American Jewish
Historical Society.
†Record of Christian Work.
Religious Education.
Revue Biblique.
*Spirit of Missions.
†Student Movement.
*Washington Chapel Chronicle.
*Woman's Missionary Friend.
†Young Women of Canada.

Science, Biology.

American Journal of Anatomy.
American Journal of Physiology.
American Naturalist.
Anatomischer Anzeiger.
Archiv für Anatomie und Physiologie.
Archiv für die gesammte Physiologie.
Archiv für Entwicklungsmechanik der
Organismen.
Archiv für mikroskopische Anatomie.

Archiv für Protistenkunde.
Bibliographia Physiologica.
Biologisches Centralblatt.
Biometrika.
Botanische Zeitung. 1. Abtheilung.
Botanische Zeitung. 2. Abtheilung.
Botanisches Centralblatt.
*Brown University, Contributions from the
Biological Laboratory.

Centralblatt für Physiologie.

*Illinois State Laboratory of Natural History Bulletin.

Jahrbücher für wissenschaftliche Botanik.

Journal de Physiologie.

Journal of Experimental Zoology.

Journal of Physiology.

Journal of the Royal Microscopical Society.

Mittheilungen aus der Zoologischen Station zu Neapel.

Quarterly Journal of Microscopical Science.

*University of California Publications, Physiology.

*University of California Publications, Zoology.

*University of Pennsylvania, Contributions from the Botanical Laboratories.

*University of Pennsylvania, Contributions from the Zoological Laboratories.

*University of Toronto Studies, Biological Series.

University of Toronto Studies, Physiological Series.

Zeitschrift für wissenschaftliche Zoologie. Zoologischer Anzeiger.

Science, General.

American Journal of Science.

Atti della Reale Accademia della Scienze di Torino.

Bulletin de l'Académie Imperiale des Sciences de St. Pétersbourg.

*Bulletin of the University of Wisconsin, Engineering Series.

*Bulletin of the University of Wisconsin, Science Series.

Comptes Rendus des Séances de l'Académie des Sciences.

Elisha Mitchell Scientific Society Journal.

*Kansas University, Science Bulletin. Nature.

*New York State Museum Bulletin.

*Oklahoma University Research Bulletin.

Philosophical Transactions of the Royal Society of London.

Popular Science Monthly.

Proceedings of the American Philosophical Society.

Proceedings of the Royal Society of London.

Science.

*Technology Review.

*University of Missouri Studies, Science Series.

Verhandlungen der physikalisch-medizinischen Gesellschaft zu Würzburg.

Science, Geology, and Geography.

Centralblatt für Mineralogie.

Economic Geology.

Geographical Journal.

Geological Magazine.

Geologisches Centralblatt.

*Georgia Geological Survey Bulletin.

*Illinois Geological Survey Bulletin.

Journal of Geography.

Journal of Geology.

Meteorologische Zeitschrift.

Mineralogical Magazine.

Mineralogische und petrographische Mittheilungen.

National Geographic Magazine.

Neues Jahrbuch für Mineralogie, Geologie und Paläontologie.

Philadelphia Geographical Society Bulletin.

Quarterly Journal of the Geological Society.

*U. S. Monthly Weather Review.

*University of Toronto Studies, Geological Series.

Mathematics, Chemistry, and Physics.

Acta Mathematica.

American Chemical Journal.

American Journal of Mathematics.

Annalen der Chemie.

Annalen der Physik.

Annales de Chimie et de Physique.

Annales de la Faculté des Sciences de l'Université de Toulouse.

Annales Scientifiques de l'Ecole Normale Supérieure.

Annali di Matematica.

Astrophysical Journal.

Beiblätter zu den Annalen der Physik.

Berichte der deutschen chemischen Gesellschaft.

Bibliotheca Mathematica.

Bollettino di Bibliografia e Storia delle Scienze Matematiche.

Bulletin de la Société Mathématique.

Bulletin des Sciences Mathématiques.

Bulletin of the American Mathematical Society.
 Giornale di Matematiche.
 Jahrbuch über die Fortschritte der Mathematik.
 Jahresbericht der deutschen mathematiker Vereinigung.
 Jahresbericht über die Fortschritte der Chemie.
 Journal de Mathématiques.
 Journal de Physique.
 Journal für die reine und angewandte Mathematik.
 Journal für praktische Chemie.
 Journal of the Chemical Society.
 Mathematische Annalen.
 Messenger of Mathematics.
 Monatshefte für Chemie.
 Physical Review.
 Physikalische Zeitschrift.

Proceedings of the London Mathematical Society.
 Quarterly Journal of Mathematics.
 Rendiconti del Circolo Matematico di Palermo.
 Science Abstracts.
 Transactions of the American Mathematical Society.
 *U. S. Bureau of Standards Bulletin.
 *University of Pennsylvania Publications, Astronomical Series.
 *University of Toronto Studies, Papers from the Chemical Laboratories.
 *University of Toronto Studies, Papers from the Physical Laboratories.
 Zeitschrift für anorganische Chemie.
 Zeitschrift für Elektrochemie.
 Zeitschrift für Mathematik und Physik.
 Zeitschrift für physikalische Chemie.

The library is open daily from eight A. M. to ten P. M. Books may be taken out by the students unless specially reserved for library reference use.

There are in Philadelphia the following important libraries which are available for students:

The *Philadelphia Library Company*, which contains about 232,000 volumes and 30,000 pamphlets, and is at all times open to the students for consultation. Private subscription, for four volumes, \$12 a year, or \$10 for nine months.

The *Mercantile Library*, which contains about 190,000 volumes and 10,000 pamphlets. Private subscription, \$5.00 a year for two separate works at a time.

The *Library of the Academy of Natural Sciences*, which contains about 68,000 volumes. The Council of the Academy has generously conceded the use of its library and of its museum to the students of Bryn Mawr College.

The *Library of the University of Pennsylvania*, which contains about 314,000 volumes and 50,000 pamphlets. The custodians of this library have always shown great courtesy in placing rare volumes at the disposal of the college.

The *Free Library of Philadelphia*, which contains about 367,000 volumes and 89,000 pamphlets, and is at all times open to the students for consultation.

The *American Philosophical Society Library*, which contains about 53,000 volumes, admission by card.

The *Historical Society of Pennsylvania Library*, which contains over 80,000 volumes, and 200,000 pamphlets, is for reference only. Every courtesy is extended members of the college.

Sanskrit and Comparative Philology.

The instruction in this department is under the direction of Dr. Elwood Austin Welden, Lecturer in French and Sanskrit.

GRADUATE COURSES.

The following graduate courses are offered in each year:

Lectures on Comparative Philology, and Philological Seminary.

Two hours a week throughout the year.

Students entering this course are expected to be familiar with German and French. A short preliminary course in Sanskrit is also of great aid to the student. The lectures on comparative philology treat of the connection of the Greek and Latin languages with the related languages of the Aryan group, first, phonetically, secondly, from the point of view of grammatical forms, and lastly, from the point of view of syntax. In the first part of the course, which covers what during the last few years has been the field of the most active research, the student is introduced to the latest theories and discoveries in Aryan phonetics, and is expected to read and criticise the articles appearing from time to time in the philological journals, and to prepare reports on these articles. The same method is pursued during the investigation of the history of forms; and in the third part of the course the student begins the study of comparative syntax by a close comparison of the use of cases and verbal forms in Sanskrit, Greek, and Latin.

Elementary Sanskrit.

Two hours a week throughout the year.

Whitney's *Grammar* is used and the classical selections from Lanman's *Reader* are read, followed by rapid reading in some easy text of the classical literature. Exercises in Sanskrit prose composition are prepared by the student.

The courses in Comparative Philology and in Elementary Sanskrit will not, as a rule, be given in the same year

Advanced Sanskrit.

One hour a week throughout the year.

Lectures are given on the phonology and morphology of Sanskrit. The study of Lanman's *Reader* is continued and Kālidāsa's *Śakuntalā*, Act I, is read.

Greek.

The instruction in this department is under the direction of Dr. Henry Nevill Sanders, Professor of Greek; Dr. Wilmer Cave Wright, Associate Professor of Greek; Dr. George A. Barton,

Professor of Biblical Literature and Semitic Languages, and Miss Abby Kirk, Reader in Elementary Greek.

Exceptional facilities for the study of all departments of classical philology are offered by the large classical library owned by the College. The greater part of this library is formed by the well-known collection of the late Professor Hermann Sauppe, of Göttingen, which was acquired in 1894. This has been supplemented by purchases made by the college library, so that the classical library now numbers some seven thousand volumes, including complete sets of most of the important journals, and about seven thousand dissertations and monographs.

GRADUATE COURSES.

The graduate courses in Greek are varied from year to year in two series, Attic Tragedy, Orators, and Historians, and the Homeric Question, Menander, Plato, and Aristophanes, in order that they may be pursued by a student for consecutive years. Students electing Greek as part of the work for the degree of Doctor of Philosophy are required to offer with each three hour seminary a two hour seminary and *vice versa*, so as to make up five hours of seminary work, but both seminaries need not be taken in the same year. Three five hour courses are required of students who offer Greek as a major subject in the examination for the degree of Doctor of Philosophy; two five hour courses are required when Greek is the only minor subject offered, and one five hour course when two minors are offered. The post-major courses also are open to graduate students. A large part of the work expected of graduate students consists of courses of reading pursued under the direction of the department; and reports of this reading are from time to time required of the students. A reading knowledge of French and German is required. The course in Comparative Philology is recommended to graduate students of Greek. For graduate courses in History of Art and Classical Archæology, which may be offered as a minor by students taking Greek as a subject for the degree of Doctor of Philosophy, see page 101.

No undergraduates are admitted to graduate courses.

Dr. Sanders conducts in each year the following graduate seminary:

Greek Seminary.

Three hours a week throughout the year

In 1911-12 the subject of the seminary is Attic Tragedy. The work of the seminary in textual criticism is devoted to the editing of Euripides's *Orestes*, while the special work is devoted to the plays bearing on the Orestes myth. Members of the seminary report on assigned subjects and give critical summaries of current classical literature.

In 1912-13 Greek orators will be studied in the seminary. The work consists of the reading of large portions of all the orators and the critical interpretation of a selected part of each. Lectures are given on legal antiquities, the syntax, and the style of the

various authors, in conjunction with which Dionysius of Halicarnassus and the Greek Rhetoricians are studied. The later rhetoricians are treated and their criticism of antiquity investigated. Students are expected to provide themselves with the Teubner text editions of Antiphon, Andocides, Lysias, Isocrates, Isæus, Æschines, Hypereides, and Demosthenes. The classical library is well equipped with works on the orators.

In 1913-14 the main subject of the seminary will be the Greek Historians. Thucydides is studied in detail and reports are made on data of history contained in Greek literature in general. Lectures are given by the instructor on subjects connected with Greek historiography, such as the composition of Thucydides's history, the syntax and style of Thucydides, the history of early prose, Greek historical inscriptions.

Dr. Wright conducts in each year the following graduate seminary:

Greek Seminary.

Two hours a week throughout the year.

In 1911-12 the seminary is in Plato. The work is mainly literary and critical. Lectures on the style, philosophy, and chronology of the dialogues are given by the instructor; a detailed interpretation of a portion of Plato, and reports on topics set for discussion are given by the class. The students are expected to read the *Republic*, *Theætetus*, *Parmenides*, and *Sophist* and discuss certain problems arising from these dialogues. The aim of the course is to lay a foundation for independent work by familiarising the students with the achievements of German scholarship and the general field of Platonic literature up to the present day. Analyses of German and Latin dissertations are expected from the class. Lutoslawski's *Origin and Growth of Plato's Logic* will be studied and criticised in detail. Every member of the seminary should provide herself in advance with a complete text of Plato. The Teubner (Leipsic) or Clarendon Press (Oxford) editions are recommended.

In 1912-13 the subject of the seminary in the first semester will be Menander. A thorough study of all the extant fragments of Menander is made with reports by the students on Menander's style, metres, text, and influence on Latin Comedy. The recent discovery of considerable remains of Menander's Comedies and the publication of the Cairo Menander (1907) have provided sufficient material to make such a course profitable to students of the Greek drama.

In the second semester the subject of the seminary is the Homeric Question, and the work consists of a review of the discussions of the Homeric poems since the publication of Wolf's *Prolegomena*. The various tests that have been applied to the poems by archaeologists, linguists, historians of myths, and æsthetic critics are taken up and criticised in detail.

In 1913-14 the subject of the seminary will be Aristophanes. The aim of the seminary is to make the students familiar with the more important Aristophanic literature up to the present day. Portions of the text are interpreted by the class and reports on assigned topics, literary, historical, and archæological, connected with the plays are expected from all the members. All the comedies of Aristophanes are read in the course of the year; lectures are given by the instructor on the metres and syntax of Aristophanes, on the dramatic structure of the plays and on the history of Attic comedy. Part of the work consists of analyses of Latin and German dissertations on Aristophanes which are presented by members of the class. Every member of the class should provide herself in advance with a complete text of Aristophanes. The Teubner (Leipsic) or Clarendon Press (Oxford) editions are recommended.

POST-MAJOR COURSES.

Dr. Sanders offers in 1911-12 the following post-major courses, open to graduate students:

Plato, *Phædrus* and *Protagoras*.

Two hours a week during the first semester.

Sophocles, *Trachiniæ*.

One hour a week during the first semester.

Greek Prose Composition, Rhetoric, and the Theory of Imitative Writing.

One hour a week during the second semester.

Greek Melic Poets, or Euripides, *Orestes*.

One hour a week during the second semester.

Euripides, *Heracles*.

One hour a week during the second semester.

Dr. Sanders offers in 1912-13 the following post-major courses, open to graduate students:

Æschylus, *Oresteia*.

Two hours a week during the first semester.

Aristophanes, *Acharnians*, *Knights*.

One hour a week during the first semester.

Pindar and Bacchylides.

Two hours a week during the second semester.

Sophocles, *Electra* or Euripides, *Electra*.

One hour a week during the second semester.

Dr. Sanders offers in 1913-14 the following post-major courses, open to graduate students:

Minor Orations of the Attic Orators.

Two hours a week during the first semester.

Sophocles, *Antigone*.

One hour a week during the first semester.

Æschylus, *Agamemnon*.

One hour a week during the second semester.

Thucydides.

One hour a week during the second semester.

Euripides, *Bacchæ*.

One hour a week during the second semester.

Dr. Wright offers in 1911-12 and again in 1913-14 the following post-major courses, open to graduate students:

Theocritus.

Two hours a week during the first semester.

Lucian.

Two hours a week during the second semester.

Dr. Wright offers in 1912-13 and again in 1914-15 the following post-major courses, open to graduate students:

Menander and Bucolic Poets.

Two hours a week during the first semester.

Herondas and Sophocles, *Ajax*.

Two hours a week during the second semester.

FREE ELECTIVE COURSES.

Free elective courses, amounting to five hours a week, are offered in Classical Art and Archæology; see page 102.

A free elective course of two hours a week is offered in New Testament Greek; see page 91.

Latin.

The instruction in this department is under the direction of Dr. Arthur Leslie Wheeler, Professor of Latin, Dr. Tenney

Frank, Associate Professor of Latin, Dr. James Fulton Ferguson, Associate (elect) in Ancient History and Latin, Dr. Cornelia Catlin Coulter and Miss Mary Hamilton Swindler, Readers in Latin.

GRADUATE COURSES.

The graduate work in Latin is conducted according to the seminary method, and is intended not only to broaden the student's knowledge, but also to teach methods of work. The graduate courses in Latin are varied from year to year in three series, Roman Comedy, Lyric Poetry and Elegy, and Roman History, Epigraphy and Literature, or Syntax, and a series in Roman Biography. Students electing Latin as part of the work for the degree of Doctor of Philosophy are required to offer with each three hour seminary a two hour seminary and *vice versa*, so as to make up five hours of seminary work, but both seminaries need not be taken in the same year. Such students are recommended to attend the Journal Club. Three five hour courses are required of students who offer Latin as a major subject in the examination for the degree of Doctor of Philosophy; two five hour courses are required when Latin is the only minor subject offered and one five hour course when two minors are offered. It is desirable that all students who intend to do advanced work in Latin should have some knowledge of Greek. A reading knowledge of French and German is also necessary.

No undergraduates are admitted to graduate courses.

Dr. Wheeler conducts in each year the following graduate seminary:

Latin Seminary.

Three hours a week throughout the year.

In 1911-12 Roman Elegy as represented by Tibullus, Propertius, and Ovid is the subject of the seminary. In addition to a careful study of selected poems an effort is made to trace the history of elegy among the Romans. The various topics connected with the subject are treated in detail as far as time permits, and the students are encouraged to familiarise themselves with the best literature in editions, periodicals, and dissertations. The texts recommended are the Oxford Clarendon Press editions of Catullus, Tibullus, and Propertius edited respectively by Ellis, Postgate, and Phillimore, 1906.

In 1912-13 the subject of the seminary will be Latin Comedy. All the plays of Plautus and Terence are read by the students; single plays form the basis of special work on the language, text, metres, etc.

Students should provide themselves with the text edition of Plautus, edited by W. M. Lindsay, Oxford, 1903-04, and with Dziatzko's text of Terence, Leipsic, Tauchnitz, 1884. The plays of Plautus, annotated by Brix, Leipsic, Teubner, 1888-1901, and by Lorenz, Berlin, Weidmann, 1876-86, and the plays of Terence, annotated by Dziatzko (revised by Hauler), 1898 and 1903 (Teubner), and by Spengel, 1879 and 1905, Weidmann, are also recommended. *P. Terenti Afri Commoediae*, edited by S. C. Ashmore, Oxford University Press, New York, 1908, is a convenient commentary.

In 1913-14 the subject of the seminary will be the Roman Lyric in the Period of the Republic. After a rapid survey of the fragmentary lyric remains of the predecessors and contemporaries of Catullus, the poems of Catullus himself are studied in detail. Students should have *Catulli carmina* (Oxford text, 1904), edited by Robinson Ellis, and either the same scholar's *Commentary on Catullus*, Oxford, Clarendon Press, 1889 (second edition). or G. Friedrich's *Catulli Veronensis liber*, Leipsic and Berlin, 1908 (Teubner).

Dr. Frank conducts in each year the following graduate seminary:

Latin Seminary.

Two hours a week throughout the year.

In 1911-12 selected topics in Roman Literature are studied. The work consists of studies in the beginnings of the Roman epic, tragedy, and prose, special attention being paid to the relation of the literature to historical events and native influences. The students read reports on special subjects assigned to them. A study of Latin Syntax may be substituted.

In 1912-13 Roman History from the sources is the subject of the seminary. The object of this study is to examine in detail the course of events during the last years of the Roman Republic, and to familiarise the student with the sources of historical knowledge for that period. The course consists largely of research work on the part of the student.

In 1913-14 the work of the seminary will be Latin Epigraphy and Palæography. About two-thirds of the course is devoted to the study of the *Corpus Inscriptionum*. The questions assigned for investigation deal mainly with Roman political institutions, public and private life, and with historical grammar. Dessau's *Inscriptiones Latinae Selectae* is used in the class room. The paleographical facsimiles of Chatelain, Zangemeister and Wattenbach, and Arndt form the basis for work in the latter part of the course.

Dr. Wheeler and Dr. Frank together conduct the journal club.

Latin Journal Club.

One and a half hours once a fortnight throughout the year.

The advanced students and the instructors meet to report on and discuss recent reviews and critical articles.

POST-MAJOR COURSES.

Dr. Wheeler offers in 1911-12 and again in 1913-14 the following post-major course, open to graduate students:

Roman Satire, its Origin and Development.

Two hours a week throughout the year.

The subject is treated historically in order to give an outline of the origin and development of Satire. The class reads selections from Horace, Persius, Seneca, Petronius, and Juvenal, together with some of the fragments of Ennius, Lucilius, and Varro. The readings are supplemented by occasional lectures. Each student is required to prepare papers and reports on assigned topics in each semester.

Dr. Wheeler offers in 1912-13 and again in 1914-15 the following post-major course, open to graduate students:

Roman Elegy, its Origin and Development.

Two hours a week throughout the year.

An effort is made to trace historically the development of this branch of poetry among the Romans. Selections from Catullus, Tibullus, Propertius, and Ovid are read. The readings are supplemented by occasional lectures. Special attention is devoted to the structure and reading of the elegiac distich and to the characteristics of Roman poetic diction. Each student is required to prepare papers and reports on assigned topics in each semester.

Dr. Frank offers in 1911-12 and again in 1913-14 the following post-major courses, open to graduate students:

Lectures on Roman History.

Three hours a week during the first semester.

Collateral reading is assigned from the Latin sources and independent reports on special topics required.

Advanced Latin Prose Composition. *One hour a week throughout the year.*

In 1911-12 this course was given by Dr. Coulter.

Cicero and Cæsar. *Three hours a week during the second semester.*

An effort is made by means of lectures, discussions and extensive reading to gain an intimate acquaintance with the literary work and the political careers of Cicero and Cæsar.

Dr. Frank offers in 1912-13 and again in 1913-14 the following post-major courses, open to graduate students:

The Life and Works of Vergil. *Three hours a week during the first semester.*

The larger part of the *Aeneid*, two books of the *Georgics* and some of the *Eclogues* and *Pseudo-Vergiliana* are read and discussed.

Advanced Latin Prose Composition. *One hour a week throughout the year.*

Roman Prose of the Empire. *Three hours a week during the second semester.*

Selections from Velleius, Seneca, Quintilian, Tacitus, Suetonius, Apuleius, and Minus Felix are read.

Dr. Coulter offers in 1911-12 the following post-major courses, open to graduate students:

Lucretius. *Two hours a week during the first semester.*

The first three books of the *De Rerum Natura* and selections from the fourth, fifth, and sixth books are studied.

Latin Comedy, Plautus and Terence. *Two hours a week during the second semester.*

Several plays of Plautus and Terence are read, and reports on topics connected with the plays are presented in class.

Dr. Frank offers in each year the following elective course, open to graduate students:

Lectures on Roman Life. *One hour a week throughout the year.*

An attempt is made to describe briefly Roman social and economic conditions, as well as the development of religious beliefs and institutions.

Dr. Ferguson offers in 1913-14 the following post-major course, open to graduate students:

The Empire from Marcus Aurelius to Diocletian. *Two hours a week throughout the year.*

In this course a study is made of the forces which led to the downfall of the Empire. Economic decay, the caste system, religion, the growth of absolutism, and the German invasions are subjects which will be specially studied. The course will consist largely of research on the part of the student.

MODERN LANGUAGES.

Professors and instructors: Dr. M. Carey Thomas, Dr. Fonger DeHaan, Dr. Albert Schinz,* Miss Lucy Martin Donnelly, Dr. Karl Detlev Jessen, Dr. Carleton Fairchild Brown,* Dr. Richard

* Granted leave of absence for the year 1911-12.

Thayer Holbrook, Dr. Orie Latham Hatcher, Dr. Alfred Horatio Upham, Dr. Agathe Lasch, Mr. Samuel Arthur King, Dr. Samuel Moore, Dr. Ellwood Austin Welden, M. Louis Cons, Dr. Regina Katharine Crandall,* Miss Georgiana Goddard King,* Dr. Emma Haeberli, Miss Mary Jeffers, Miss Edna Aston Shearer, Miss Margaret Grace Skinner, Miss Beatrice Daw, Miss Helen Estabrook Sandison, Miss Mary Ruth George, and Miss Amelia Elizabeth White.

English.

The instruction in this department is under the direction of Dr. M. Carey Thomas, Professor of English, Miss Lucy Martin Donnelly, Professor of English, Dr. Carleton Fairchild Brown,* Professor of English Philology, Dr. Orie Latham Hatcher, Associate in Comparative Literature and Elizabethan Literature, Dr. Alfred Horatio Upham, Associate Professor of English Literature, Mr. Samuel Arthur King, Non-resident Lecturer in English Diction, Dr. Samuel Moore, Lecturer in English Philology, Dr. Regina Katharine Crandall,* Miss Georgiana Goddard King,* Miss Edna Aston Shearer, Miss Margaret Grace Skinner, Miss Beatrice Daw, Miss Helen Estabrook Sandison, Miss Mary Ruth George and Miss Amelia Elizabeth White, Readers in English.

GRADUATE COURSES.

There are offered each year distinct graduate seminaries and courses in English literature and in English language, and these seminaries and courses are varied so as to enable candidates for the degree of Doctor of Philosophy to pursue graduate work for three or more successive years. The graduate courses in literature presuppose at least as much knowledge as is obtained in the two years' course of undergraduate lectures on English literature and in one of the literature years of the English major; and the graduate courses in Anglo-Saxon presuppose as much knowledge of Anglo-Saxon as is obtained in the language year in the English major.

Students who choose English as their chief subject in their examination for the degree of Doctor of Philosophy must have, if they specialise in literature, at least as much knowledge of Anglo-Saxon, and if they specialise in language, at least as much knowledge of literature, as is obtained in the course required of those students who make English one of the chief subjects of undergraduate study, and must have taken at least the equivalent of the essay work in the required English course.

*Granted leave of absence for the year 1911-12.

The graduate instruction in English literature includes the direction of private reading and the assignment of topics for investigation.

No undergraduates are admitted to graduate courses.

Dr. Brown conducts in each year the following graduate seminary:

Seminary in Middle English.

Three hours a week throughout the year.

In 1911-12 the seminary undertakes the study of *The Vision of Piers the Plowman* and the works of Chaucer. Attention is devoted not so much to the critical reading of the texts themselves as to the examination of the questions of authorship and chronology which have recently been raised. These poems are also discussed in their relation to the other literature of the fourteenth century. Special subjects for individual investigation are assigned to the members of the seminary. The seminary is conducted by Dr. Moore in 1911-12.

In 1912-13 the beginnings of English Drama are the subject of the seminary. Though the cycles of the mystery plays are considered in general, the larger part of the time is devoted to the study of the English morality plays. Particular attention is given to the connection between the moralities and the didactic treatises and the debates. The moralities and the secular drama are studied historically up to the time of Heywood. In addition to the reading and discussion of selected plays, lectures are given by the instructor with the object of setting various elements of dramatic development in proper proportion. Critical reports on assigned topics are required from the students.

In 1913-14 the subject is the Middle English Romances. All the romances represented in the Middle English are read, and the relation of these English versions to their Latin and Old French originals are discussed. The romance cycles are taken up in the following order: Troy story, Alexander saga, romances of Germanic origin, Arthurian cycle, Charlemagne cycle. Special investigations of various elements in individual romances are undertaken from time to time by the members of the seminary.

Dr. Moore offers in 1911-12 and Dr. Brown offers in 1913-14 the following graduate course:

Cynewulf and Cædmon.

Two hours a week throughout the year.

Several of the poems traditionally ascribed to these authors are critically studied. Lectures are given with a view to furnishing a thorough introduction to Anglo-Saxon Christian poetry and the literary problems connected with it. This course is open to graduate students who have already taken the course in Anglo-Saxon grammar and reading of Anglo-Saxon texts or its equivalent.

Dr. Brown offers in 1912-13 and again in 1914-15 the following graduate courses:

Beowulf.

Two hours a week throughout the year.

This course gives in the first place a general survey of Beowulf criticism, including textual problems, theories as to the composition of the poem, and an enquiry into its historical and mythological elements. In this connection a study is also made of the other pieces of Anglo-Saxon heathen poetry. This course is open to graduate students who have already taken the course in Anglo-Saxon grammar and reading of Anglo-Saxon texts, or its equivalent.

English Historical Grammar.

Two hours a week throughout the year.

In this course the development of the English Language is traced from the earliest times. After an outline has been given of the history and external relations of English, the change and decay of inflections, the use of prepositions and the more important points in historical syntax are discussed. The course presupposes a knowledge of Anglo-Saxon and Middle English.

Miss Donnelly conducts in each year the following graduate seminary:

Seminary in English Literature.

Two hours a week throughout the year.

In 1911-12 Shelley and Byron are studied. Special attention is given to the phases of Romanticism shown in their work and to their relations to their contemporaries in England and on the Continent.

In 1912-13 Swift, Addison, and Steele will be studied. Attention will be given to their relations to both contemporary politics and literature.

In 1913-14 Milton, Sir Thomas Browne, and Jeremy Taylor will be studied in their relation to the development of English prose in the seventeenth century.

Dr. Upham conducts in each year the following graduate seminary:

Seminary in English Literature.

Three hours a week throughout the year.

The seminary in 1911-12 deals with the various phases of English sentimentalism in their relation to continental activities. After tracing the earlier development of the sentimental spirit, a thorough study will be made of the manifestations of this spirit in eighteenth century novel and drama. Particular attention will be given to the bearing of sentimentalism on the beginnings of the romantic movement, and special studies will be made of literary relationships.

In 1912-13 the seminary will be devoted to studies in the later romantic movement in England, including the period of its diffusion. Emphasis will be placed upon such matters as the Italian and Spanish revival, the new interest in Hellenism, the Tractarian movement in the church, and the various ideals of art represented in the Pre-Raphaelite Brotherhood. Extensive studies in these lines during the first semester will prepare for special investigations later.

In 1913-14 the seminary will be concerned with the literary and critical activity of the mid-eighteenth century, centering in Dr. Johnson and his circle. Representative works of the period are read and discussed, and particular attention is directed to such matters as the coterie spirit, the influence of periodical literature, the relations of author and public, the breaking down of classical standards, and the rise of romanticism in England and abroad.

Dr. Upham offers in 1912-13 and again in 1914-15 the following graduate course:

Modern Literary Criticism.

Two hours a week throughout the year.

A survey of the important phases of literary criticism in Europe from the neo-classic period, through the development of romanticism, to the present day. Inter-relations of England and the continent will be made prominent. This course will be similar in scope and method to the course in Literary Criticism through the Renaissance.

Dr. Upham offers in 1913-14 the following graduate course:

Literary Criticism through the Renaissance.

Two hours a week throughout the year.

A survey, from the graduate point of view, of the significant movements and documents in the history of European critical theory from Aristotle, through the activities of the Renaissance, to the consummation of the neo-classic code in the seventeenth century. The bearing of these upon English literature will be emphasized throughout. The lectures aim chiefly to indicate outline and relationships, the important feature of the course being the thorough study and frequent discussion of the material.

Dr. Hatcher conducts in each year the following graduate seminary:

Seminary in Elizabethan Literature. *Three hours a week throughout the year.*

In 1911-12 English drama from 1558 to 1642 is studied, as the chief literary expression of the period. The conditions of its origin and continued production, its nature, extent, variety, development and decadence are discussed and a reasonable proportion of the extant plays of the period are read continuously as a background for other work. A brief introductory study is made of dramatic genres and of the broader principles of dramatic construction, and the remainder of the first semester is devoted to the examination of contemporary documents and other sources of information in regard to Elizabethan drama. In the latter half of the year each student investigates some special problem, such as dramatic inter-relationship or authorship, and gives reports upon her work.

Shakespeare will be the subject of the seminary in 1912-13. In the first semester as detailed a review as is practicable is made of the results of Shakesperian scholarship as regards critical problems of biography, authorship, chronology and source material of the plays, a comparison of varying versions of separate plays, the influence of earlier and contemporary dramatists, etc. Dramatic records relating to Shakespeare are also examined at first hand and evidences of his participation in the general dramatic activities of his time noted. In the second semester students are given individual problems for investigation.

In 1913-14 Spenser will be studied in the light of Mediæval and Renaissance culture. The subjects taken up are the inspiration, models, and sources of Spenser's poetry; the many influences working upon him, and those emanating from him, as shown in the significant blending of classical, mediæval, and Renaissance tendencies in his poetry, and his initiative in solving the literary problems of his time. In the first semester all the works of Spenser are read and the results of Spenserian research examined. The second semester is devoted largely to the investigation by each student of some special problem.

Dr. Brown, Miss Donnelly, Dr. Upham, and Dr. Hatcher together conduct the journal club.

English Journal Club. *One and a half hours a fortnight throughout the year.*

The advanced students and the instructors meet to report on and discuss recent reviews and critical articles.

The following advanced undergraduate courses may be attended by graduate students:

Miss Donnelly offers in 1911-12 the following course:

English Drama. *Two hours a week throughout the year.*

This course is intended to give students that have completed the required course in English a more intimate knowledge of the late Elizabethan and the Stuart drama. The lectures follow the development of the realistic and romantic tendencies in the comedy and tragedy of the period both as an expression of the national life and of the individual genius of the various dramatists. Selected plays of Shakespeare, Middleton, Ben Jonson, Beaumont and Fletcher, and other dramatists are read in connection with the lectures. In 1913-14 a course in Milton will be substituted for this course.

Miss Donnelly offers in 1912-13 and again in 1914-15 the following course:

English Poetry from 1780 to 1832. *Two hours a week throughout the year.*

This course consists of a detailed study of the poetry of Cowper, Burns, Wordsworth, Coleridge, Scott, Byron, Shelley, Keats; special attention is paid to the rise and development of the Romantic movement in English poetry, with occasional reference to similar movements in France and Germany.

Dr. Moore offers in 1911-12 and Dr. Brown offers in each succeeding year the following course:

Anglo-Saxon Grammar and reading of Anglo-Saxon Texts.

Two hours a week throughout the year.

The first semester is devoted to an outline of Anglo-Saxon grammar as presented in Siever's *Old English Grammar* (Cook's translation) and to the reading of the prose selections in Bright's *Anglo-Saxon Reader*. In the second semester after reading one or two of the shorter Anglo-Saxon poems, the *Beowulf* is taken up (Holthausen's or Schücking's text) and the first two-thirds of the poem is read with the class.

Dr. Moore offers in 1911-12 and Dr. Brown offers in 1913-14 the following courses:

Middle English Poetry.

Three hours a week during the first semester.

The course begins with an outline of Middle English grammar sufficient to enable the students to read ordinary texts intelligently. Selections are then read from Layamon's *Brut*, Robert of Gloucester's *Chronicle*, Barbour's *Bruce*, Richard Rolle, Robert of Brunne's *Handlyng Synne*, Langland's *Vision of Piers the Plowman*, Gower's *Confessio Amantis*, and other pieces of Middle English literature. Lectures are given on the development of the language and literature during this period. The course is designed as an introduction to the course on Chaucer given in the second semester but may be taken independently.

Chaucer.

Three hours a week during the second semester.

In this course the best of the *Canterbury Tales* are studied, also the *Legend of Good Women*, *The House of Fame*, and portions of *Troilus and Criseyde*. The lectures discuss Chaucer's sources and literary art, and his relation to the English, French, and Italian literature of his time. Students taking this course are recommended, but not required, to have taken the course in Middle English poetry.

Dr. Brown offers in 1912-13 and again in 1914-15 the following course:

Middle English Romances.

Three hours a week throughout the year.

Selected romances are read by the members of the class. The lectures deal with the development of Romance literature in English with special reference to the romances of Germanic origin and the Arthurian cycle.

Dr. Upham offers in each year the following courses:

Classical and Romantic Prose.

Three hours a week throughout the year.

Three general subjects are considered in the course: the theories of classical criticism studied in the work of Dr. Johnson; the transition in critical thought represented in Edmund Burke; and modern criticism of Shakespeare with particular attention to the writings of Coleridge, Lamb, Hazlitt, and De Quincey. Class-room discussion is encouraged and various reports are required.

English Critics of the Nineteenth Century.

Three hours a week throughout the year.

Certain English essayists of the nineteenth century are studied with particular regard to their theories of criticism. In the first semester the authors usually chosen are Carlyle,

Newman, and Matthew Arnold; in the second semester Ruskin, Pater, and Swinburne are discussed. Occasional short reports and one long paper in each semester must be prepared by the students attending the course.

Miss Donnelly offers in each year the following course:

Descriptive and Narrative Writing. *Two hours a week throughout the year.*

This course consists of lectures on the theory and practice of description and on the style and methods of the best modern writers of short stories, both English and French.

The course in Narrative Writing in the second semester was conducted in 1911-12 by Miss George.

Dr. Crandall offers in each year the following free elective course:

Argumentation. *Two hours a week throughout the year.*

In the first semester the technique of argumentation is studied, and in the second semester the relation between the laws of thought emphasised in the first semester and the ordinary forms of prose composition is established.

This course was conducted in 1911-12 by Miss Shearer.

Miss King offers in each year the following free elective courses:

Victorian Poets. *Two hours a week during the first semester.*

The works of Tennyson, Arnold, and Browning are studied.

Victorian Poets (continued). *Two hours a week during the second semester.*

The Pre-Raphaelite movement is considered, and Morris, Rossetti, Swinburne, and George Meredith are studied.

Miss King offers in 1912-13 and again in 1914-15 the following free elective course:

Theory and Practice of Verse Composition.

Two hours a week throughout the year.

The course is not historical but theoretical and practical. The lectures deal with the theory of poetry, the difference between poetry and prose, and the laws of verse in English. Students are required to write short exercises in verse every week.

Miss King offers in 1913-14 the following free elective course:

Imitative Writing. *Two hours a week throughout the year.*

This course consists of a study of the formation of style by the method of imitation. The lectures deal with the elements and the psychology of style, and as far as may be necessary, with the authors selected for imitation. In 1913-14 these will be writers of the seventeenth century.

Mr. King offers in 1911-12 and again in 1913-14 the following free elective course in English Diction:

Reading of Shakespeare. *One hour a week throughout the year.*

This course is open only to those students who have taken the required course in English diction. A special study is made of the principles of correct delivery of blank verse. The needs of those students who intend to teach English literature, and desire to read Shakespeare to their pupils, are given special attention.

Mr. King offers in 1912-13 and again in 1914-15 the following free elective course in English Diction:

General Reading of Prose Authors.

One hour a week throughout the year.

This course is open only to those students who have attended the required course in English diction or who have done equivalent work.

German.

The instruction in this department is under the direction of Dr. Karl Detlev Jessen, Professor of German Literature, Dr. Agathe Lasch, Associate in Teutonic Philology, and Miss Mary Jeffers, Reader in Elementary German.

GRADUATE COURSES.

The graduate courses offered in German philology may be found under the head of General Teutonic Philology.

Graduate work in the history of modern German literature is conducted according to the seminary method. The courses are so varied that they may be followed by graduate students throughout three successive years and cover the work required of students who offer German literature as a major or a minor for the degree of Doctor of Philosophy.

No undergraduates are admitted to graduate courses.

Dr. Jessen conducts in each year the following graduate seminary:

Seminary in German Literature.

Two hours a week throughout the year.

Although the seminary meets only two hours a week throughout the year, the amount of reading required makes the course equivalent to five hours a week. It is hoped that the students will become familiar in these courses with the methods of scientific literary criticism and investigation.

In 1911-12 subjects for study are chosen from the life and works of Kleist, Lenau, Heine, Grillparzer, Platen, and Droste-Hülshoff.

In 1912-13 topics will be selected from the German Romantics.

In 1913-14 Goethe and Schiller will be studied in their personal, literary, and critical relations.

Dr. Jessen offers in 1911-12 and again in 1913-14 the following graduate courses:

German Literary Criticism.

One hour a week during the first semester.

The lectures trace the development of literary and æsthetic criticism in Germany from Leibniz to Schiller and Goethe. The course is comparative, and French and English literary criticisms are also considered. Lessing's *Laokoön* and *Hamburgische Dramaturgie* and Schiller's essays on æsthetics are specially studied. The course is open to those students only who have a reading knowledge of French and German.

The German Essay.

One hour a week during the second semester.

The history of the essay in German literature is studied and the most eminent German essayists, Schopenhauer, Herman Grimm, Karl Hillebrand, Friedrich Nietzsche, etc., are

discussed. The influence of French, English, and American writers, in particular Montaigne, Macaulay, and Emerson, is traced, and incidentally the evolution of modern German prose style is treated.

Dr. Jessen offers in 1912-13 and again in 1914-15 the following graduate courses:

German Metrics.

One hour a week during the first semester.

This course consists of lectures on *Deutsche Metrik* or *Verslehre*, with an introduction to phonetics, this being an indispensable *Hilfswissenschaft* for the study of German literature.

German Poetics.

One hour a week during the second semester.

Lectures are given on *Deutsche Poetik* and *Stilistik*.

Dr. Jessen offers in each year, if the time of the department permits, one of the following graduate courses:

Goethe's *Faust*.

Two hours a week throughout the year.

This course is intended to give a detailed introduction to the problems of *Faust-philologie*, dealing with both the first and second part of *Faust*.

Goethe's Life and Works.

Two hours a week throughout the year.

This course aims at giving an introduction into *Goethe-philologie*.

Dr. Jessen and Dr. Lasch conduct in each year the German Journal Club.

German Journal Club.

Two hours once a fortnight throughout the year.

At the meetings recent books and articles are reviewed and the results of special investigations presented for discussion, comment and criticism.

POST-MAJOR COURSES.

Dr. Jessen offers in 1911-12 and again in 1913-14 the following post-major courses, open to graduate students:

Lectures on the History of German Literature from the Romantic School till 1850.

Two hours a week during the first semester.

This course begins with a general study of the principles of philosophy, life, art, and poetry, as represented by the Romantic School, which is followed by lectures on the literary movements, expressed mainly in lyric poetry and in the novel, which supersede the Romantic *Weltanschauung*. The lyrics of the war of liberation, the *Weltschmerz*, and the political revolution; the novel of *Jungdeutschland*; the drama of Heinrich von Kleist; the works of the Schlegels, Tieck, Hölderlin, Jean Paul, Novalis, Uhland, Lenau, Heine, Immermann, Freiligrath, Herwegh, Gutzkow, Mörike, and Gotthelf, are the principal topics discussed.

German Drama in the Nineteenth Century.

Two hours a week during the second semester.

The drama of Heinrich von Kleist is studied with special reference to that of the classical period, and to the dramatic efforts of the Romanticists. The place of Grillparzer in German literature is defined, as well as the significance of Grabbe and Raimund. This leads to Otto Ludwig and to Friedrich Hebbel, who is the central figure, chronologically as well as in importance, of the German drama during the nineteenth century. The course ends with a review of Anzengruber, Wildenbruch, Sudermann, Hauptmann, and of other modern writers.

Dr. Jessen offers in 1912-13 and again in 1914-15 the following post-major courses, open to graduate students:

German Literature from 1850 to the present time.

Two hours a week during the first semester.

The subject of this course is, in the first semester, the *Epigonen-Literatur*. The development of the modern German *Novelle* is discussed and Keller's, Storm's, and C. F. Meyer's works are specially studied. A full account of the poets of the *Münchener Schule* is given, in particular of Richard Wagner, Reuter, Groth, Freytag, Spielhagen, Scheffel, Raabe, Geibel, Heyse, and Schack.

German Literature from 1850 to the present time (continued).

Two hours a week during the second semester.

In the second semester among the subjects discussed are the influence of French, Russian, and Scandinavian literatures, especially of the work of Zola and Ibsen on German literature; modern German realism and naturalism as represented by Fontane, Anzengruber, Wildenbruch, Hauptmann, Sudermann, Liliencron, and Rosegger; the increased importance of women in literature, and the work of Marie von Ebner-Eschenbach, Louise von François, Ricarda Huch, Helena Böhlau, Isolde Kurz, Clara Viebig and others; the significance of Nietzsche for German life and literature; neo-romanticism and *Heimatsdichtung*.

Dr. Jessen offers in each year the following post-major course, open to graduate students:

Advanced Critical Reading.

One hour a week throughout the year.

The reading is selected from works discussed in the post-major lectures on literature. The students give reports on dramas or novels, the object of the discussion being to trace the characteristics of the author, as shown in his works. Special attention will be paid to the needs of students who intend to teach German.

Dr. Lasch offers in each year the following post-major course, open to graduate students:

Elementary Middle High German.

One hour a week throughout the year.

This course has been arranged primarily for undergraduate students who wish to be able to read the Middle High German classics in the original. Wright's *Middle High German Primer* (2nd edition, Oxford, 1899) is used.

GENERAL TEUTONIC PHILOLOGY.

The instruction in this department is under the direction of Dr. Agathe Lasch, Associate in Teutonic Philology.

Special attention is called to the facilities for the study of comparative teutonic philology offered by Bryn Mawr College. The English and the German departments together have provided for a complete course in teutonic philology, comprising both the study of the individual languages (Gothic, Norse, Anglo-Saxon, Old Saxon, Old High German, Middle High German, Middle Low German, etc.) and the study of general comparative philology.

The courses in introduction to the study of teutonic philology, Gothic and Middle High German grammar (first-year course), are designed for students in their first year of graduate study in Teutonic languages, and the remaining courses for students in their second or third year.

Students intending to elect teutonic philology are advised to study Greek for at least one year during their undergraduate course.

GRADUATE COURSES.

Dr. Lasch offers the following graduate courses:

Introduction to the Study of Teutonic Philology.

One hour a week throughout the year.

These lectures deal with the following topics: a discussion of Teutonic in its relation to the cognate Aryan languages; a brief sketch of the single Teutonic languages, accompanied by an account of the chief grammatical and lexicographic works on each; a discussion of the aim and method of historical and comparative grammar, including problems such as those of the relationship of dialects and the consistency of phonetic laws; a brief history of Teutonic philology, and finally the outlines of general phonetics.

Gothic.

Two hours a week throughout the year.

Gothic phonetics and inflection are studied in connection with the elements of comparative Aryan grammar. Braune's *Gotische Grammatik* (7th ed., Halle, 1909); or Streitberg's *Gotisches Elementarbuch* (3rd ed., Heidelberg, 1910) are used as text-books.

As a thorough knowledge of Gothic is the foundation of the study of historical and comparative Teutonic grammar, every graduate student of Teutonic grammar is advised to take this course as early as possible. *Die Gotische Bibel* (ed. by W. Streitberg, Heidelberg, 1908) is used by the more advanced students.

Middle High German Grammar and reading of Middle High German Texts (first-year course).

Two hours a week throughout the year.

This course includes a brief abstract of Middle High German grammar, with special reference to the difference between Middle High German and Modern German, and a study of the most prominent authors in Middle High German. Hartmann's *Armer Heinrich* is read, and is followed by selections from classical Middle High German poets and from the *Nibelungenlied*, a brief account being given of the history and development of the *Nibelungenlied* and its manuscripts.

Students of Middle High German should be provided with Paul's *Mittelhochd. Grammatik* (7th ed., Halle, 1908), or Michels's *Mittelhochd. Elementarbuch* (Heidelberg, 1900).

This course is required of all students that make German the minor subject in their examination for the degree of Doctor of Philosophy.

The private reading includes the works of the authors treated in the course.

Old High German.

Two hours a week throughout the year.

This course includes a practical study of Old High German grammar, and a comparison of the Old High German sounds and forms with those of Gothic, Middle and Modern High German. Selections are read from Old High German texts, arranged so as to proceed from easy to more difficult pieces, and to illustrate the difference between the Old High German dialects.

Middle High German (second-year course).

One hour a week throughout the year.

This course is intended for students that have followed the first year's course in Middle High German. The first semester is devoted to the *Höfisches Epos*, and the second semester to *Minnesangs Frühling* and Walther von der Vogelweide.

Old Saxon.

Two hours a week during the second semester.

The work presupposes on the part of the students a sufficient knowledge of Gothic and Old High German. Holthausen's *Altsächsisches Elementarbuch* (Heidelberg, 1900); the *Heliand* (in Sievers's or Behaghel's edition), and Zangemeister-Braune's *Bruchstücke der altsächsischen Bibeldichtung* (Heidelberg, 1894) are used. The reading is supplemented by a discussion of the West Germanic alliterative verse.

Old Norse.

Two hours a week during the second semester.

This course may, by request, be substituted for the course in Old Saxon.

Students entering this course are supposed to be acquainted with Gothic and with Anglo-Saxon or Old High German grammar. In the grammatical part of the course the Norse sounds and forms are studied and compared with those of the Gothic and West-Germanic dialects. Among the texts read, selections from the younger and the older *Eddas* take a prominent place.

The books used are Kahle's *Altisländisches Elementarbuch* (Heidelberg, 1900 and some of the *Islandinga sögur* (*Altnordische Saga-Bibliothek*) and Hildebrand's *Edda* (2nd ed., Paderborn, 1904).

Attention is called to the facilities afforded for the study of Old Norse. A considerable portion of the library of the late philologist, Th. Wisén, of Lund, was acquired by Bryn Mawr College, and hence the library is probably as well supplied as any other college library in the United States with Old Norse texts, Norse periodicals, and works on Old Norse language and literature.

Comparative Teutonic Grammar.

One hour a week throughout the year.

The study of comparative Teutonic philology is recommended to those students only who are acquainted with the single old Teutonic languages, and have studied Gothic, Old High German, Old Saxon, Anglo-Saxon, and Norse. The object of the course is to compare the various old Teutonic languages with each other and with the related Aryan languages,—or in other words (1) to reconstruct the primitive Teutonic language; (2) to point out the characteristic features of primitive Teutonic in distinction from primitive Aryan; (3) to carry down the history of early Teutonic from the period of unity into the early stages of the individual Teutonic languages.

History of Modern High German.

One hour a week throughout the year.

These lectures deal with the history of the development of the German written language during the Modern High German period. The most important *Kanzleisprachen*, the most prominent *Druckersprachen*, Luther, Modern German sounds and forms in their relation to the German dialects and to the rules of the *Bühnenaussprache*, will be discussed.

Teutonic Seminary.

One hour a week throughout the year.

This seminary is arranged for the benefit of the most advanced students in Teutonic philology. Its object is to encourage independent work on the part of the students. The work consists mainly of the discussion of special topics by the instructor and the students. Members of the seminary are expected to study the literature on these subjects, and to make an effort to contribute some additional material, or an independent opinion of their own.

In 1911-12 and again in 1914-15 Old High German texts such as *Merseburger* and *Trierer Zaubersprüche*, *Muspilli*, and *Hildebrandslied* are studied. The many problems that these texts offer and the various attempts to solve them are discussed.

In 1912-13 the first semester will be devoted to High German texts from the fourteenth to the seventeenth century. The material will be taken either from official documents of this period belonging to various parts of Germany or from the works of writers such as Murner, Hans Sachs, Luther, and others; or from grammatical works of this period in Müller's *Quellenschriften und Geschichte des deutschsprachlichen Unterrichts*, John Meier's *Neudrucke älterer deutscher Grammatiken*, etc. They are selected to illustrate the development of Modern High German. In the second semester Old Saxon texts (*Heliand* and *Genesis*) will be studied.

In 1913-14 the subjects of the seminary will be taken from Middle High German texts. Problems in text criticism as well as literary problems connected with the works of Middle High German poets either of the classical period or of the periods preceding or following it are discussed.

The order of these seminary subjects may be changed in accordance with the requirements of the students in any particular year.

In addition to the above courses, others in Old Frisian, Dutch, Middle Low German, or Modern Low German may be arranged for students that have previously studied Gothic, Old and Middle High German, Anglo-Saxon, and Old Saxon.

ROMANCE LANGUAGES.

French.

The instruction in this department is under the direction of Dr. Albert Schinz,* Professor of French Literature, Dr. Richard Thayer Holbrook, Associate Professor of French Philology and Italian, Dr. Elwood Austin Welden, Lecturer in French and Sanskrit, M. Louis Cons, Lecturer in French, and Dr. Emma Haeberli, Reader in Elementary French.

GRADUATE COURSES.

There are offered each year three distinct graduate courses in French, two in literature and one in language, and these courses are varied so that they may be pursued by students through three or more consecutive years.

Graduate students interested in the study of literature will find it to their advantage to attend the lectures on French literature two hours a week throughout the two years of the major course in French.

Dr. Schinz conducts in each year the following graduate seminary:

Seminary in French Literature.

Three hours a week throughout the year.

In 1912-13 the subject of the seminary will be Montaigne. Various problems connected with his life, his relations to Protestantism and to the political problems of his time, the question of the authorship of the *Discours sur la servitude volontaire*, the origin and sources of the essays, Montaigne and the Renaissance, and Montaigne and Plutarch will be discussed. A special study will be made of Montaigne's style and of the *Apologie de Raymond de Sebonde*.

In 1913-14 Rousseau is the subject of the seminary. In the first semester, after a discussion of his life, a study is made of the *Confessions*, *Réveries*, and *Correspondance*. Special attention is paid to the controversy *Confessions* versus *Mémoires d'Epinay*, transformed by the discoveries of Mrs. MacDonald. The questions of Rousseau's insanity and suicide are discussed. The second semester is devoted chiefly to the study of Texte's *Jean Jacques Rousseau et le cosmopolitisme littéraire*. The *Lettre à d'Alembert* and the *Nouvelle Héloïse* serve as a text to this theory.

In 1914-15 the subject of the seminary is Victor Hugo. The seminary deals with his lyrical works. The following subjects are treated: Victor Hugo as a Royalist and Catholic poet; his indebtedness to Chateaubriand, Sainte-Beuve, Nodier and other contemporaries; his attitude towards Napoleon I., the Republic of 1848 and Napoleon III.; and his social, political and religious ideas in the period of his maturity and of his old age.

* Granted leave of absence for the year 1911-12. The courses offered by Dr. Schinz are given by M. Louis Cons.

M. Cons conducts in each year the following graduate seminary:

Seminary in French Literature.

Two hours a week throughout the year.

In 1911-12 the subject of the seminary is Romanticism and Realism in the 19th century as illustrated by Chateaubriand, Sénanecourt, Benjamin Constant, De Maistre, Lamennais, Fourier, Saint-Simon, and others; Romanticism of Victor Hugo; a careful study of *Les Misérables*; philosophical and historical realism (Renan, Taine).

In 1912-13 a study will be made of Rabelais. The investigations of Abel Lefranc on Rabelais will be brought into connection with the "Conteurs" and also with such writers as Bernard Palissy and Ambrose Paré.

In 1913-14 the subject of the seminary will be Molière. The subjects studied will be: French Comedy before Molière; Molière's comedies, their Latin, Italian, and French sources; his style and method of composition; the nature of his "comique," his philosophy and his morality.

In 1914-15 the subject of the seminary is *La 'Matière de Bretagne' et l'épopée courtoise*. The course includes a careful study of the *Lais* of Marie de France, the poems referring to Tristan, and the *Romans* of Chrétien de Troie; these are studied in connection with the question of their origin in Celtic countries and their later development in France. The different theories that have been proposed as to their origin and evolution are examined and discussed and an attempt is made to determine their comparative value.

Dr. Holbrook offers in each year the following graduate courses:

The course in Old French Philology is intended for students in their first year of graduate study; that in Provençal and the Old French Seminary for students in their second or third year of graduate study; the Journal Club may be attended by students in their first, second, or third year of graduate study. The course in Old French Readings is designed to be taken in connection with the seminary in Old French.

Old French Philology.

Three hours a week throughout the year.

This course consists of lectures on the phonology, morphology, and syntax of Old French, and is designed not only for students whose main pursuit is Romance philology, but also for those who wish to acquire more precise knowledge of the French elements in Middle English. The main principles of Historical Grammar are studied in the *Extraits de la Chanson de Roland*, published by Gaston Paris, and in various texts in L. Constans's *Chrestomathie*. Other books used are Passy's *Sounds of the French language*, Grandgent's *Introduction to Vulgar Latin*, Nyrop's *Grammaire Historique de l'Ancien Français*, and Schwan-Behrens's *Grammaire de l'Ancien Français*.

Old French Readings.

Two hours a week throughout the year.

Various typical Old French masterpieces are studied from a scientific standpoint. The essential facts of Old French grammar are reviewed and rare or difficult locutions are minutely examined for the sake of precise interpretation; dialectal features are considered and attention is given to the relation of manuscripts to printed texts. In addition to the works named below, students are expected to supply themselves with Gaston Paris's *Littérature française au moyen âge*.

The following courses may be rearranged to suit the needs of students in any particular year:

In 1911-12 this course was devoted chiefly to study of the following texts: Marie de France (*Lais*), an unpublished poem on the Passion, *Aucassin et Nicolette*, *Yvain* and *Cligès*.

In 1912-13 attention will be given mainly to epic and historical works: Wace, *Le pèlerinage de Charlemagne*, Villehardouin, Joinville, and other chroniclers.

In 1913-14 the texts studied will be in the drama (ca. 1250-ca. 1530): Adam de la Halle's *Jeu de la feuillée* and *Jeu de Robin et Marion*, various mysteries and moralities, *Maistre Patelin*.

Old French Seminary.

Two hours a week throughout the year.

The work of the seminary is on the most important Old French dialects. Texts in Norman, Picard, Francian and Franco-Provençal are studied with reference to their dialectal features in order that the student may acquire the power to determine approximately the origin of other texts in which the same dialectal features occur.

Old Provençal.

Two hours a week throughout the year.

This course is intended for students of Old French who wish to begin the study of the language and literature of the Troubadours. The books required are Grandgent's *Outline of the Phonology and Morphology of Old Provençal* (Boston, 1905) and Appel's *Provenzalische Chrestomathie* (latest edition).

Dr. DeHaan, Dr. Schinz,* Dr. Holbrook, Dr. Welden and M. Cons together conduct the journal club in Romance languages.

Romance Languages Journal Club.

One and a half hours a fortnight throughout the year.

The journal club is intended to make the advanced students familiar with all the important European periodicals and with new books dealing with Romance Philology. For each session of the club an important article chosen from some one of the various periodicals is assigned to a student for review. The student is also referred to previous articles or publications treating of the same subject as that of the review, and is expected to present to the club a chronological outline of the history and stages of the discussion on the given point. Thus the students become familiar with the names of leading Romance scholars and with the particular lines of research in which each of the latter excels. At the same time such reviews prepare the way for seminary work and original investigations.

POST-MAJOR COURSES.

M. Cons offers in 1911-12 and Dr. Schinz will offer again in 1913-14 the following post-major course, open to graduate students:

The Short Story (*Nouvelle*) in the Nineteenth Century.

Two hours a week throughout the year.

The *genre nouvelle* is studied in connection with the following writers: Xavier de Maistre, Chateaubriand, Nodier, de Vigny, de Musset, Balzac, Mérimée, Gautier, Laboulaye, Daudet, Bourget, Maupassant, France, Coppée, Loti, Villiers de l'Isle Adam, de Régnier, and others.

Dr. Schinz offers in 1912-13 and again in 1914-15 the following post-major course, open to graduate students:

French Lyric Poetry of the Nineteenth Century.

Two hours a week throughout the year.

In the first semester the lectures treat lyric poetry until the year 1866. Special attention is paid to the period from 1850 to 1866, while Lamartine, Hugo, Sainte-Beuve, de Vigny, and de Musset are treated only so far as is necessary for the understanding of the evolution of lyric poetry in their successors, Baudelaire, Gautier, de Banville, Leconte de Lisle, etc. The lectures of the second semester treat contemporary lyric poetry from 1866 to 1900. A careful study is made of the Parnassian and Symbolist schools.

*Granted leave of absence for the year 1911-12. The courses offered by Dr. Schinz are given by M. Louis Cons.

Dr. Welden offers in 1911-12 the following post-major course, open to graduate students:

French Drama of the Nineteenth Century.

Two hours a week throughout the year.

The lectures deal with the origin and development of the drama in the works of Victor Hugo, Alexandre Dumas père, and Alfred de Vigny, and for the latter part of the century Richepin and Edmond Rostand are discussed.

M. Cons offers in 1912-13 the following post-major course, open to graduate students:

Women Writers of the Renaissance.

Two hours a week throughout the year.

The course deals with the importance and influence of Louise Labbé and the School of Lyons; the three Marguerites: Marguerite de Navarre, Marguerite de France, Marguerite de Valois.

M. Cons offers in 1913-14 the following post-major courses, open to graduate students:

Women Writers of the Seventeenth Century.

Two hours a week throughout the year.

The writers studied are Madame de Rambouillet, Mlle. de Scudéry, Jacqueline Pascal, Madame de La Fayette, Madame de Sévigné, Madame de Maintenon, Madame de Guyon and Fénelon, Madame Dacier and others.

Teachers' Course in French Phonetics.

One hour a week throughout the year.

This course is designed especially for students who intend to teach French but is open also to other students. Its object is to teach the theory and practice of French phonetics, not only to correct the student's own errors of pronunciation, but also to train the ear to detect and identify those of others. The methods employed include lectures on the physiological and phonetical aspects of the subject, exercises in reading graded passages of prose and verse, and practice with special phonograph records to master the cadence of French diction.

Italian.

The instruction in this department is under the direction of Dr. Richard Thayer Holbrook, Associate Professor of French Philology and Italian.

GRADUATE COURSES.

Dr. Holbrook offers in each year the following graduate courses:

Italian Philology.

One hour a week throughout the year.

This course presupposes a knowledge of Old French Philology and the equivalent of the minor and major courses in Italian offered at Bryn Mawr College. The work is founded upon the treatise entitled *Die Italienische Sprache* by D'Ovidio and Meyer Lübke in Gröber's *Grundriss* (Strassburg, 1906). Various passages from thirteenth and fourteenth century authors are examined critically from a phonological and morphological point of view.

Old Italian Readings.

One hour a week throughout the year.

Students should provide themselves with the first volume of D'Ancona and Bacci's *Manuale della Letteratura Italiana* (Florence, 1904).

Dr. DeHaan, Dr. Schinz, Dr. Holbrook, Dr. Welden and M. Cons together conduct the journal club in Romance languages.

Romance Languages Journal Club.

One and a half hours a fortnight throughout the year.

Dr. Holbrook offers in each year the following undergraduate courses, open to graduate students:

FIRST YEAR.

Modern Italian.

Five hours a week throughout the year.

This course is designed to prepare beginners for the study of Italian literature, as well as for the practical use of the language. Reading is taken up from the start, a careful pronunciation is insisted upon, and the essentials of the grammar are taught by a critical observation of the texts used and by graded exercises in the rendering of English into Italian. The books used are the following: C. H. Grandgent's *Italian Grammar*; Stories by Fogazzaro and Hecker's *Il Piccolo Italiano*; Giuseppe Finzi's *Petrarca* (1900); De Marchi's *Storie*; selections from the verse and prose of Renato Fucini and others.

SECOND YEAR.

Italian Classical Literature.

Three hours a week throughout the year.

The work in this course is to study selections in verse and prose from Ariosto and Tasso, then all the *Inferno* and parts of the *Purgatorio* and *Paradiso*. For Ariosto and Tasso the study of difficult modern prose and poetry may be substituted, with exercises in writing and speaking. Training in pronunciation will be given throughout the course. The lectures on literature are delivered in Italian.

Spanish.

The instruction in this department is under the direction of Dr. Fonger DeHaan, Professor of Spanish.

GRADUATE COURSES.

Dr. DeHaan offers in each year the following graduate courses:

Lectures in Spanish on Spanish Literary History till the death of Calderon (1681).

One hour a week throughout the year.

The lectures are supplemented by extensive private reading of important works.

Essays in Spanish.

Two hours a week throughout the year.

Spanish Philology.

One hour a week throughout the year.

Old Spanish Readings.

One hour a week throughout the year.

Dr. DeHaan, Dr. Schinz, Dr. Holbrook, Dr. Welden and M. Cons together conduct the journal club in Romance languages.

Romance Languages Journal Club.

One and a half hours a fortnight throughout the year.

POST-MAJOR COURSES.

Dr. DeHaan offers in each year the following post-major course, open to graduate students:

Spanish.

Two hours a week throughout the year.

This course in composition and conversation is offered to those students who have completed the second-year course or its equivalent.

Dr. DeHaan offers in each year the following undergraduate courses, open to graduate students:

FIRST YEAR.

Spanish.

Five hours a week throughout the year.

The object of this course is to give beginners a good knowledge of modern Spanish, and to ground them thoroughly in the essentials of the grammar. As a preparation for understanding the spoken language, two half-hours a week during the second semester are devoted to dictation. The books studied are the following (taken up in the order indicated): DeHaan's *Cuentos Modernos*; Pérez Nieva, *Tomás el torrero* (Madrid, *Colección Klong*); De Haan's *Selected Works of G. A. Béquer*; Hartzenbusch, *Los Amantes de Teruel* (*Obras*, vol. III.); Zorrilla, *Granada* (Madrid, 1895, 2 vols.).

Private reading: Palacio Valdés, *José*; Galdós, *Mariñana*.

SECOND YEAR.

Lectures in Spanish on Spanish Literary History of the Nineteenth Century.

Two hours a week throughout the year.

Spanish Composition.

One hour a week throughout the year.

Critical Reading in Spanish.

Two hours a week throughout the year.

Private reading: Private reading supplementing the lectures on literary history comprises representative works in the various branches of literature.

COMPARATIVE LITERATURE.

The instruction in this department is under the direction of Dr. Orie Latham Hatcher, Associate in Comparative Literature and Elizabethan Literature, Dr. Alfred Horatio Upham, Associate Professor of English Literature, and Miss Georgiana Goddard King,* Reader in English and Lecturer in Art.

GRADUATE COURSES.

The seminary in comparative literature changes its subject of study from year to year through a cycle of three years. It may be taken by graduate students of English in connection with the seminary in Eliza-

* Granted leave of absence for the year 1911-12.

bethan literature or may be elected separately. The courses in literary criticism extend through two years, but may be elected separately. Students intending to do special work in comparative literature are advised to begin the study of Italian or Spanish.

Dr. Hatcher conducts in each year the following graduate seminary:

Seminary in Comparative Literature. *Two hours a week throughout the year.*

In 1911-12 the subject of the seminary is the lyric poetry of the later Renaissance. The Italian lyrics of the fifteenth and sixteenth centuries are studied with reference both to their Provençal and early Italian origins, and to their bearing upon later French and English lyrics. Considerable stress is laid upon the study of verse forms and the development of theories of versification. The first semester is given to reading of the literature involved and reviews of the results of critical investigation in the field. In the second semester each student devotes her time to some individual topic. Students desiring to take this course must consult the instructor as to linguistic equipment.

In 1912-13 Renaissance comedy, chiefly in the sixteenth century, will be studied. Some preliminary consideration will be given to mediæval contributions to Renaissance comedy, but Ariosto's revival of classical comedy will be taken as the special starting point, and the development of literary comedy traced through other Italian plays and through the French, Spanish and English to that of the earlier Jacobean dramatists. The various types of comedy will be analysed and illustrated in the reading required. Pre-requisite for the course, French and either Italian or Spanish.

In 1913-14 the seminary will undertake the study of Renaissance fiction on the continent as related to Elizabethan fiction and drama, the study of fiction being here practically restricted to that of the novella or short prose tale. Boccaccio, Cinthio, Bandello, Margaret of Navarre, Desperiers, Belleforrest, Painter, Pettio, Whetstone, etc., being among the novelists studied. Pre-requisite for the course, French and either Spanish or Italian.

Dr. Upham offers in 1912-13 and again in 1914-15 the following graduate course:

Modern Literary Criticism.

Two hours a week throughout the year.

A survey of the important phases of literary criticism in Europe from the neo-classic period, through the development of romanticism, to the present day. Inter-relations of England and the continent will be made prominent. This course will be similar in scope and method to the course in Literary Criticism through the Renaissance.

Dr. Upham offers in 1913-14 the following graduate course:

Literary Criticism through the Renaissance.

Two hours a week throughout the year.

A survey, from the graduate point of view, of the significant movements and documents in the history of European critical theory from Aristotle, through the activities of the Renaissance, to the consummation of the neo-classic code in the seventeenth century. The bearing of these upon English literature will be emphasized throughout. The lectures aim chiefly to indicate outline and relationships, the important feature of the course being the thorough study and frequent discussion of the material.

The following undergraduate courses may be attended by graduate students:

Dr. Hatcher offers in each year the following courses:

Modern Drama.

Three hours a week during the first semester.

The causes of the present wide-spread dramatic activity are sought, and the more significant contemporary plays are studied in their relation to vital modern questions, for their literary qualities, and for methods of technique. A reading knowledge of either French or German is required.

The Evolution of Dramatic Forms. *Three hours a week during the second semester.*

The object of the course is to seek out the essence of the drama as such, to suggest the many forms in which the human instinct for dramatic expression has manifested itself, and to acquaint the student with the more significant of these in their historical order. A reading knowledge of Latin and of one modern language is desirable.

Renaissance Lyrics.

Three hours a week during the first semester.

The course is concerned with the rise of the modern literary lyric among the Troubadours, and the spread of Provençal and other early Romance lyric forms in Italy, France, Germany, Spain and England. A knowledge of two languages besides English, one preferably Latin, is required.

The Modern Pastoral to 1700. *Three hours a week during the second semester.*

The lectures and reading involve recognition of the large debt of the moderns to the classical pastoralists, but are chiefly devoted to the rise and decadence of the pastoral mode in the Romance literature and in English as expressed in eclogue, pastoral, lyric, romance and drama. A reading knowledge of two languages besides English is required.

Miss King offers in 1912-13 and again in 1914-15 the following course:

The Continental Developments of Romanticism in the Nineteenth Century.

Two hours a week throughout the year.

The course deals with the rise and growth of the ideals of revolution in continental literature from the birth of Byron to the death of Swinburne. The literature of revolt is studied with special attention to the drama and, in poetry as well as in the novel, to the successive phases of early romanticism, mid-century realism, and the new return to romanticism.

Miss King offers in 1913-14 the following course:

The Culture of the Renaissance.

Two hours a week throughout the year.

The study of the literature of the Italian Renaissance begins with an examination of its ideals of education and character, and, after a short excursus on the influence of the other arts upon literature between 1300 and 1600, indicates the chief differences which appeared as the movement reached its culmination in France and England, and the standards of taste and ideals of life which it finally imposed. The class studies in connection with this the chief types of literary form as they took shape in Italy and were adopted and altered elsewhere.

SEMITIC LANGUAGES AND BIBLICAL LITERATURE.

The instruction in this department is under the direction of Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages.

The college was particularly fortunate in securing in the year 1892 the library of the late M. Arthur Amiaud, of Paris. While M. Amiaud was especially eminent as an Assyriologist, he was also prominent as a general Semitic student. His library was

the collection of an active scholar, and forms a working library for the student in every department of Semitic study. It is especially rich in the Hebrew, Syriac, and Assyrian languages, containing several works, indispensable to the student, which are now out of print. Another Semitic library containing many works on the Talmud and on Jewish literature was acquired in 1904. Mr. Albert J. Edmunds presented to the college in 1907 his library of 500 volumes on the history of religion. The contents of these libraries, together with the books already owned by the college and those easily accessible in neighboring libraries, form an exceptionally good collection of material for the specialist in Semitic languages. A good working collection of cuneiform tablets is under the control of the department, and affords an excellent opportunity for students of Assyrian to become familiar with original documents.

GRADUATE COURSES.

The graduate courses in Semitic languages are varied from year to year, as indicated below, so that they may be pursued by a student for four successive years. Those who offer Semitic languages as the major subject in the examination for the degree of Doctor of Philosophy are required to spend in Semitic work half their time for at least three years.

The work of the department is so arranged that students may specialise in Hebrew or Assyrian. Students who offer Hebrew or Assyrian as the major subject in the examination for the degree of Doctor of Philosophy must possess a knowledge of the grammatical forms of five Semitic languages and in this enumeration Syriac and Jewish Aramaic may not count as separate languages. Students that offer Semitic languages as the minor subject in the examination for the degree of Doctor of Philosophy must show that they have a knowledge of three Semitic languages.

The regular alternation of courses is indicated below and at least five hours a week will be given in each year, the courses being selected according to the needs of the graduate students. Graduate students may enter in any year of the four years' course, as there will be afforded each year an opportunity for graduate students to begin Hebrew.

No undergraduates are admitted to graduate courses.

Dr. Barton offers in 1911-12 and again in 1913-14 the following graduate courses:

Semitic Seminary.

Two hours a week throughout the year.

This seminary is devoted to Hebrew or Assyrian, the languages that may be offered as major subjects for the doctor's degree. The time may be devoted to one of these languages, or may be divided between the two, according to the needs of the students. In Assyrian the subject may be chosen from one of the following: the oldest Babylonian

inscriptions, temple archives of Telloh, Sumerian hymns, the code of Hammurabi, or mythological poetry. In Hebrew, one of the following subjects may be selected: Job, the Psalter, Isaiah, Jeremiah, Ecclesiastes and the Song of Songs, or Hebrew Epigraphy. In the Hebrew seminary the students are trained in textual criticism through the use of the ancient versions.

Elementary Semitic Languages.

Two hours a week throughout the year.

This course may be devoted to the elements of Hebrew, or of Aramaic (Syriac and Jewish Aramaic), or Assyrian, or Arabic according to the needs of the students. The time may, if necessary, be divided between two of these languages.

Hebrew, The Prophets.

One hour a week throughout the year.

The text of one or more of the Prophets is critically interpreted, and Hebrew syntax and composition are studied.

Hebrew Literature.

One hour a week throughout the year.

This course is devoted to a study of the Prophets, the Pentateuch, and the historical books of the Old Testament.

Ethiopic.

One hour a week throughout the year.

The grammar and *Chrestomathia* of Praetorius and Dillmann are used, and in the latter part of the course selections are read from the book of Enoch.

Seminary in New Testament Greek.

One hour a week throughout the year.

A thorough study is made of some book of the New Testament, and the students are guided in critical studies, both textual and historical.

Dr. Barton offers in 1912-13 the following graduate courses:

Semitic Seminary.

Two hours a week throughout the year.

The work of the seminary is continued as given in 1911-12.

Seminary in Aramaic and Arabic.

Two hours a week throughout the year.

This seminary is devoted to Arabic or Aramaic, the languages that may be offered as minor subjects for the doctor's degree. The time may be devoted to one of the languages, or may be divided between the two, according to the needs of the students. In Arabic the subject may be chosen from one of the following: the Coran, pre-Islamic poetry, Arabic geographers, or South Arabic inscriptions. In Aramaic, one of the following subjects may be selected: a comparative study of the Syriac Versions of the Gospels, the Syriac Version of one of the Old Testament books, the writings of Gregory Bar Hebraeus, or of Efraem, the Targum on one of the Old Testament books, the Talmud, or Aramaic inscriptions.

Comparative Semitic Grammar.

One hour a week throughout the year.

The grammar of Brockelmann is used as a basis with comparisons from the Egyptian and other Hamitic languages.

Egyptian.

One hour a week throughout the year.

The elements of Egyptian and Coptic grammar are taught, and some texts in each language interpreted.

FREE ELECTIVE COURSES.

The courses in Biblical Literature and Oriental History are intended primarily for undergraduate students, but may be elected by graduate students also.

Dr. Barton offers in 1911-12 and again in 1913-14 the following free elective courses in Biblical literature:

New Testament Biography.

Two hours a week throughout the year.

The first semester of this course is devoted to a careful study of the life and teaching of Christ; the second semester to the life and teaching of St. Paul. The Gospels and Epistles are read, together with the most helpful of the modern works on these topics. The course is illustrated by photographs of the most important places connected with the lives of Christ and St. Paul.

History of the Old Testament Canon.

One hour a week throughout the year.

In this course the history of the composition and collection of the books of the Old Testament is studied. The instruction is given in lectures, and reading is assigned in the Old Testament and in modern literature concerning it.

Dr. Barton offers in 1912-13 and again in 1914-15 the following free elective courses in Biblical literature:

History of Christian Doctrine.

Two hours a week throughout the year.

In the first semester Christianity is studied as presented by its Founder and by the apostles, and in the second semester the history of Christian doctrine from 100 A.D. to the present time is briefly reviewed, and problems presented by modern thought are touched upon.

History of the New Testament Canon.

One hour a week throughout the year.

This course consists of a study of the New Testament, similar in its methods and aims to the course on the Old Testament Canon.

Dr. Barton offers in each year the following free elective course:

Oriental History.

Three hours a week throughout the year.

This course treats in broad outlines the history and civilisation of the Classical Orient. The beginnings of the Hamito-Semitic race, and the influence of environment upon its primitive institutions are first studied. The separation of the races into the different nations is then traced, and the history of the principal Oriental nations, Egyptians, Babylonians, Assyrians, Phœnicians, Hebrews, Hittites, Sabæans, and Persians; of Alexander and his successors; of the Parthians, and the oriental empire of the Romans, is followed in outline. Special attention is paid to the history of the Hebrews, and to their unique religious contribution to the civilisation of the world. The course concludes with a study of the Arabic caliphates, and of Mohammedan civilisation. The lectures are illustrated by archæological specimens and by photographs. Either semester may be elected separately. In 1911-12 this course was given five times a week throughout the year.

Dr. Barton offers in each year, when the time of the department permits, the following free elective courses:

Biblical Geography and Archæology.

Two hours a week throughout the year.

The course begins with a survey of the physical features of Palestine and an estimate of their effect upon its civilisation. The succession of races dominant in Palestine since the beginning of history is then reviewed, after which the positions of the places important in the Biblical narratives are carefully noted. The principal Biblical narratives are studied in connection with the geography of the country and the archæological remains of the period. In this way the narratives of the Patriarchs, Kings, Prophets, and Apostles, as well as the life of Christ, are illustrated. The course is illustrated by photographs. Use is made throughout the course of the publications of the Palestine Exploration Fund, and of other modern explorers.

New Testament Greek.

Two hours a week throughout the year.

This course presupposes a knowledge of classical Greek. After some introductory lectures on the formation and peculiarities of the New Testament Greek, one hour a week

during the first semester is devoted to lectures on the history of the New Testament text, both in its written and in its printed form, the helps extant for emending it, and the method of using them. The remainder of the time is devoted to the interpretation of the New Testament Epistles, especially those of Paul. The students are expected to read privately during the first semester the text of one of the Gospels, and during the second, either the *Acts of the Apostles*, the *Apocalypse*, or the *Epistle to the Hebrews*.

HISTORY.

The instruction in this department is under the direction of Mr. Clarence H. Haring, Lecturer (elect) in History, Dr. William Roy Smith, Associate Professor of History, and Mr. Frederick Aldrich Cleveland, Lecturer in History.

GRADUATE COURSES.

Two distinct seminary courses in English and European history and in American history are offered to graduate students in history in addition to a course in Historical Method and Bibliography and the direction of private reading and original research.

No undergraduates are admitted to graduate courses.

Mr. Haring conducts in each year the following graduate seminary:

Seminary in English and European History.

Three hours a week throughout the year.

In 1912-13 the Reformation will be the subject of the seminary.

In 1913-14 the work of the seminary will be on topics selected from the political history of continental Europe in the sixteenth and seventeenth centuries.

In 1914-15 English institutions in the Tudor and Stuart periods will be studied.

Dr. Smith conducts in each year the following graduate seminary:

Seminary in American History.

Two hours a week throughout the year.

In 1911-12 the subject of the seminary is slavery and the negro problem. After a preliminary survey of the history of slavery in the colonial period such topics as the slavery compromises of the constitution, the growth of slavery in the South, the abolition of the slave trade, the Missouri Compromise, the anti-Slavery movement, nullification, the Mexican War, the Wilmot Proviso, the compromise measures of 1850, the Kansas-Nebraska bill, the Dred Scott decision, the abolition of slavery, and the adoption of the thirteenth, fourteenth and fifteenth amendments are discussed. Special attention is paid to the conflict between sectionalism and nationalism and to the connection between slavery, territorial expansion, and the development of constitutional theories.

In 1912-13 the revolution, the confederation and the constitution will be the subjects of study. American history from 1776 to 1789 is discussed primarily from the local point of view as a step in the conflict between the seaboard aristocracy and the democracy of the frontier. The social and economic forces which led to the adoption of the Federal Constitution and the subsequent formation of national political parties are investigated.

In 1913-14 the American colonies in the seventeenth and eighteenth centuries will be the subject of the seminary. The political, constitutional, and social problems of the colonies in the seventeenth century will be studied in the first semester. In the second semester, special stress is laid upon the development in the eighteenth century of the imperial administrative machinery and upon the ethnical distribution of population in the colonies.

Mr. Cleveland offers in 1913-14 the following graduate course:

Historical Method and Bibliography. *One hour a week throughout the year.*

The matters dealt with in this course are the field of history and its relations to allied subjects; the evolution of the scientific historical method; the outlines of historical bibliography; the great collections of printed material; archives and MSS.; the work and rank of leading historians of the modern school. A reading knowledge of French and German is required.

Mr. Haring, Dr. Smith and Mr. Cleveland conduct in each year the historical journal club.

Historical Journal Club. *Two hours once a fortnight throughout the year.*

The instructors in the department of history and the graduate students who are pursuing advanced courses in history meet once a fortnight to make reports upon assigned topics, review recent articles and books, and present the results of special investigations.

POST-MAJOR COURSES.

Mr. Haring offers in 1912-13 and again in 1914-15 the following post-major course, open to graduate students:

England under the Stuarts. *Two hours a week throughout the year.*

The principal aspects of the narrative and constitutional history of England in the seventeenth century will be studied in some detail. Use will be made of general histories but the work of the students will, as far as possible, be done from State papers, published correspondence, etc. The course will be conducted by lectures, discussions and oral reports from members of the class.

Mr. Haring offers in 1913-14 and again in 1915-16 the following post-major course, open to graduate students:

England under the Tudors. *Two hours a week throughout the year.*

This course is conducted on the same general plan as the preceding course.

Dr. Smith offers in 1911-12 and again in 1913-14 the following post-major course, open to graduate students:

American Constitutional History to 1783.

Three hours a week throughout the year.

The text-books used in the course are MacDonald's *Select Charters of American History* and *Select Documents of the History of the United States*. The members of the class are also systematically referred, not only to the general authorities, but also to colonial charters and constitutions, the records of the colonial governments as far as they are available, the journals of Congress, and other documentary materials.

Dr. Smith offers in 1912-13 and again in 1914-15 the following post-major course, open to graduate students:

American Constitutional History, from 1783 to 1865.

Three hours a week throughout the year.

The lectures deal with the leading aspects of the political, constitutional, and economic history of the United States from the ratification of the constitution to the present time.

The text-books used are MacDonald's *Select Documents of the History of the United States* and *Select Statutes of United States History*, but frequent additional references are given to the leading secondary authorities. To a limited extent use will be made of such documents as are available in the library, and special topics will be assigned for discussion and report.

Mr. Cleveland offers in 1911-12 the following post-major course, open to graduate students:

England since 1714.

Two hours a week throughout the year.

This course is conducted by means of lectures, assigned readings, and written reports. Its purpose is rather to explain than to narrate. Therefore the treatment is topical as well as chronological, emphasis being laid upon those political, social, and constitutional changes which seem to have made modern England. Among the topics of discussion are the rise and fall of the Whig oligarchy, the evolution of the cabinet system, the rise of Methodism, the American Revolution as a constitutional question, England and the French Revolution, the industrial revolution, parliamentary reform, England and the Monroe doctrine, the repeal of the corn laws, Home Rule, and present-day Liberalism.

ECONOMICS AND POLITICS.

The instruction in this department is under the direction of Dr. Marion Parris, Associate Professor of Economics and Politics, Mr. Sydney D. M. Hudson, Lecturer in Political Science, and an instructor in Economics and Politics whose appointment will be announced later.

GRADUATE COURSES.

Two seminars in economics and one in politics are offered each year in addition to the direction of private reading and original research. Post-major courses amounting to seven hours a week which may be elected by graduate students are given in each year.

No undergraduates are admitted to graduate courses.

Dr. Parris offers in each year the following graduate seminary:

Economic Seminary.

Two hours a week throughout the year.

In 1911-12 the theories of capital and interest of modern German, Italian, and American economists are studied and critically compared.

In 1912-13 the subject of the seminary will be a critical study of modern theories of value. The works of Ehrenfels, Meinong and Urban will be studied and criticised.

In 1913-14 the subject of the seminary will be the theories of interest and wages in modern German, Italian, English and American economics.

Mr. Hudson offers in each year the following graduate seminary:

Political Seminary.

Three hours a week throughout the year.

The methods of instruction in the seminary are designed to guide advanced students in special research work along the lines indicated by the titles of the courses. Some lectures

are given but the main attention is devoted to the presentation and criticism of the results of studies made by the students themselves.

In 1911-12 the subject of the seminary is the nature and development of modern democratic institutions.

In 1912-13, Private Rights under the Constitution of the United States will be the subject of the seminary. Attention will be devoted both to the content of the rights protected and to the means through which the protection is effected. In this latter connection, the origin of the power of the Supreme Court of the United States to pass upon the constitutionality of acts of Congress and of the State Legislatures; the principles which have guided the Court in the use of the power, and the criticisms which have been advanced with regard to the action of the Court will be treated. The investigation of the content of constitutionally protected private rights will be concerned chiefly with a study of cases dealing with combinations of labor and capital; social legislation, particularly government aid to dependent and semi-dependent classes; the control of public utilities; limitations upon the taxing power; class discriminations; various modes of administrative procedure.

In 1913-14, a study will be made of the origin and content of the political thought expressed in the Constitution of the United States. American political ideas of the constitution-making period will be considered in relation to their colonial and European sources. Chief attention, however, will be devoted to the debates in the Convention of 1787, the discussion of the constitution in connection with the state-ratifying conventions, and the course of political thought during the period of federalist supremacy under the new government.

In 1914-15, the distribution of legislative power between the Central Government and the States will be investigated as a basis for a comparison of federal and centralized government. The American federal system will be compared with the centralized government of Great Britain and the federal systems of Australia, Canada and British South Africa.

The following graduate seminary will be offered in each year by an instructor whose appointment will be announced later:

Economic Seminary.

Two hours a week throughout the year.

In 1912-13 the subject of the seminary will be American industrial problems. The economic aspect of organized capital and organized labour and the principles of labour legislation will be studied.

In 1913-14 the subject of the seminary will be the industrial history of the United States from 1790 to 1860.

Dr. Parris and Mr. Hudson conduct in each year the economic journal club.

Economic Journal Club.

Two hours once a fortnight throughout the year.

At the meetings recent books and articles are reviewed and the results of special investigations presented for discussion, comment, and criticism.

POST-MAJOR COURSES.

Dr. Parris offers in 1911-12 and again in 1912-13, and 1914-15 the following post-major course, open to graduate students:

Sociology and the Social Institutions.

Two hours a week throughout the year.

This course is designed to introduce the students to the problems of modern sociology. The first semester's work will be a review of the literature of sociology. The students will read selections from the works of Comte, Spencer, Giddings, Ratzenhofer, Small, and others. In the second semester the genesis and history of the social institutions will be studied; the family, church, state, the institution of private property, corrective and preventive institutions, etc. The lectures are supplemented by written reports and specially assigned reading, and by written and oral quizzes.

Dr. Parris offers in 1913-14 and again in 1915-16 the following post-major course, open to graduate students:

Utilitarian Theory in Economics.

Two hours a week throughout the year.

The object of this course is to study the influence of utilitarian ethical theory in shaping the thought of the English classical school. Hume, Paley, Bentham, Adam Smith, James Mill, Ricardo, Malthus and J. S. Mill are read critically. The lectures are supplemented by written reports on specially assigned reading and by oral and written quizzes.

Mr. Hudson offers in 1911-12 the following post-major course, open to graduate students:

Government and Civil Liberty.

Three hours a week throughout the year.

This course consists of an examination of the nature of the State and the respective spheres of governmental interference and civil liberty.

Mr. Hudson offers in 1912-13 the following post-major course, open to graduate students:

Modern Democracy.

Three hours a week throughout the year.

The first semester will be devoted to an examination of the nature of democracy, types of democratic institutions, the development of the modern democratic movement, and the tendencies of democratic legislation. Democratic institutions are analysed in order to show the principles underlying them, and the opinions of publicists and statesmen with regard to democracy are discussed critically. In the second semester specific problems of democratic organisation and practice, especially those of contemporary American interest will be studied.

Mr. Hudson offers in 1913-14 the following post-major course, open to graduate students:

American Constitutional Law.

Three hours a week throughout the year.

In this course the leading principles of the American constitutional system will be examined. The course will deal principally with the federal constitution and the decisions of the Supreme Court of the United States. Some attention will be given, however, to state constitutions and the decisions of state courts. Stress will be laid upon decisions relating to social and economic questions.

The following post-major course, open to graduate students, will be offered in 1912-13 by an instructor whose appointment will be announced later:

The Literature of Socialism.

Two hours a week throughout the year.

The course is intended to give a critical survey of socialistic and collectivistic thought in the nineteenth century as a basis for interpreting modern socialistic theories. The students will be required to write reports on specially assigned topics.

The following post-major course, open to graduate students, will be offered in 1913-14 by an instructor whose appointment will be announced later:

American Industrial History.*Two hours a week throughout the year.*

The object of the course is to trace the history of organisations of labour and capital in the United States as a basis for the special study of present conditions.

FREE ELECTIVE COURSES.

Dr. Parris offers in each year the following free elective courses, open to graduate students:

Methods of Social Research.*Two hours a week throughout the year.*

The work of the first semester is an account of modern institutions for social research and social reform; a review of the most important investigations, bibliographical sources, and methods of research. Booth's *Life and Labour in London*, Rowntree's *Poverty*, the reports of the Bureau of Labour and Bailey's *Modern Social Conditions* will be used as text-books. In the second semester American social problems are studied, using as a basis of investigation the United States Census. Special attention is paid to statistical method and students will be assigned reports for each semester.

Euthenics.*One hour a week during the second semester.*

This course is a continuation of the course in Eugenics given in the first semester by Dr. Stevens, see page 119.

Philosophy.

The instruction in this department is under the direction of Dr. Theodore de Leo de Laguna, Professor of Philosophy, Dr. James H. Leuba, Professor of Psychology and Education and Director of the Psychological Laboratory, Dr. Clarence Errol Ferree, Associate and Associate Professor (elect) in Psychology, Dr. Grace Mead Andrus de Laguna, Associate in Philosophy, and Miss Marion Reilly, Dean of the College and Reader in Philosophy.

GRADUATE COURSES.

In addition to the post-major courses, which may be elected by graduate students, ten hours of graduate lectures and seminary work are offered in each year. The laboratory of experimental psychology is open to graduate students for research work.

No undergraduates are admitted to graduate courses.

Dr. T. de Laguna conducts in each year the following graduate seminary:

Ethical Seminary.*Three hours a week throughout the year.*

The subject of the seminary is either a study of one of the chief problems of ethics or a critical examination of some important movement of thought.

In 1911-12 the subject of the seminary is the ethics of Plato. The dialogues in which moral questions are prominently discussed are read in approximately chronological order; and the development of Plato's ethics is studied in the light of its interrelations with his theories of knowledge and of reality.

In 1912-13 Hume and his contemporaries will be studied. A brief preliminary survey

is made of the course of English ethical thought from Hobbes to Shaftesbury. This is followed by a more careful examination of selected writings of Mandeville, Butler, and Hutcheson, with a view to tracing their probable influence upon Hume. Finally, the principal task of the year is a comparative study of the ethical doctrines of Hume's *Treatise on Human Nature* and *Enquiry into the Principles of Morals*, with incidental reference to Hartley and Adam Smith.

In 1913-14 the subject will be English evolutionary ethics, as exemplified in the writings of Darwin, Clifford, Spencer, Stephen, Alexander, and Hobhouse, and as criticised by Green, Sorley, Huxley, and Pringle-Pattison. Special attention will be given to the problem of determining the nature and limitations of the genetic method as applied in ethical research.

Dr. G. A. de Laguna conducts in each year the following graduate seminary:

Metaphysical Seminary.

Two hours a week throughout the year.

The subject of the seminary is usually an examination of one of the more important metaphysical theories of recent times. The chief object of the inquiry is to indicate the fundamental postulates and tacit agreements of contemporary philosophical thought.

In 1911-12 the subject of the seminary is contemporary realism, special attention being given to the various phases of the moment in England and in this country. Its historical sources, and its relations to subjective idealism as well as to absolute idealism and pragmatism, are carefully studied.

In 1912-13 the subject will be English empiricism. Special attention will be paid to its connections with associationism, and to the development of the theory of scientific method.

In 1913-14 the subject will be inductive and genetic logic. The theories of Sigwart, Wundt, Bradley, Bosanquet, Dewey and Baldwin will be the basis of study.

Dr. T. de Laguna and Dr. G. A. de Laguna conduct in each year the philosophical journal club.

Philosophical Journal Club.

Two hours once a fortnight throughout the year.

The advanced students and the instructors meet to report on and discuss recent reviews and critical articles.

Dr. Leuba offers in each year the following graduate seminary:

Psychological Seminary.

Two hours a week throughout the year.

As the foundation of the work of the seminary one or two of the following subjects will be chosen each year: feeling and emotion; attention, apperception, the will; the psychology of religion and of ethics; language, myths, customs; psychology of the beautiful; psychiatry and criminology; animal and child psychology.

Dr. Ferree offers in each year the following graduate course:

Systematic Psychology.

Three hours a week throughout the year.

This course is intended, primarily, to give a systematic presentation of the literature of experimental psychology. Due consideration, however, will be given to all points of systematic importance. The work is grouped about the following topics: sensation, the simpler sense complexes, perception and ideas, feeling and the affective processes, attention, action, and the intellectual processes (memory, association, imagination, etc.). The course covers three years; but the topics chosen and the time devoted to each vary from year to year according to the needs of the students.

Dr. Leuba and Dr. Ferree together conduct in each year the psychological journal club. The laboratory work may be done under the direction of Dr. Leuba or Dr. Ferree.

Psychological Journal Club.*One hour a week throughout the year.*

The advanced students meet with the instructors once a week to hear or read reports on the literature of the subject and on the work done in the laboratory.

Psychological Laboratory Work.

The laboratory work consists of individual practice and research.

FREE ELECTIVE COURSE.

Dr. T. de Laguna offers in 1911-12 and again in 1913-14 the following free elective course, open to graduate students:

Elementary Logic.*One hour a week throughout the year.*

This course is an introduction to deductive and inductive logic, including the theories of definition, classification, the transformation of judgments, the canons of the syllogism, the formation of concepts, the general methods of observation and experiment, analogy, and the use of hypotheses.

Dr. T. de Laguna offers in 1912-13 and again in 1914-15 the following free elective course, open to graduate students:

Theory of Pragmatism.*One hour a week throughout the year.*

A brief introduction gives a sketch of the Darwinian theory of evolution and of its application to functional psychology. The greater part of the second semester is devoted to class discussion of Professor James's book on *Pragmatism*.

POST-MAJOR COURSES.

Dr. G. A. Laguna offers in each year the following post-major course, open to graduate students:

Types of Metaphysical Theory.*Two hours a week throughout the year.*

Each semester is devoted to the examination of some important type of metaphysical theory. After the historical development of the theory under investigation has been traced, its implications and relationships are examined and criticised. The particular subjects selected vary from year to year.

Dr. Ferree offers in each year the following post-major course:

Advanced Experimental Psychology.*Two hours a week throughout the year.*

This course is intended for fourth year students in psychology who wish to begin research work. The instructor will cooperate with the student in the solution of some original problem. The object of the course is to train the student for independent investigation. A reading knowledge of French and German is required.

Education.

The instruction in this department is under the direction of Dr. James H. Leuba, Professor of Psychology and Education, and Director of the Psychological Laboratory. The instruction offered covers five hours of lectures a week, in addition to the time devoted to the seminary; it includes two hours a week of free elective work, and three hours a week of graduate work.

It is the purpose of the department to offer to students intend-

ing to become teachers an opportunity to obtain a technical preparation sufficient for their profession. Hitherto practical training has been thought necessary for teachers of primary schools only, but similar training is very desirable for teachers in high schools and colleges also. Indeed, it is already becoming increasingly difficult for college graduates without practical and theoretical pedagogical knowledge to secure good positions. In addition to the lectures open to undergraduates, courses will be organised for graduate students only conducted with special reference to preparation for the headship and superintendence of schools. Education cannot be studied to the best advantage unless an acquaintance with at least the rudiments of psychology is presupposed. The elementary experimental course in psychology is therefore earnestly recommended to all students of education.

GRADUATE COURSES.

Graduate students are recommended to follow the work offered in the undergraduate course mentioned below.

No undergraduates are admitted to graduate courses.

Dr. Leuba offers in each year the following graduate courses:

The Psychology of Mental and Bodily Growth with reference to Education.

One hour a week throughout the year.

A knowledge of elementary psychology is assumed in this course.

Lectures upon school-hygiene; physical training; organisation of education in the United States and in Europe; the training of teachers, etc.

Two hours a week throughout the year.

Educational Psychology.

Two hours a week throughout the year.

This course may be substituted for the course in school hygiene.

FREE ELECTIVE COURSE.

Dr. Leuba offers in each year the following free elective course, open to graduate students:

Education.

Two hours a week throughout the year.

This course deals with the great educators and their systems considered with reference to modern educational methods and the problems of to-day.

History of Art and Classical Archæology.

The instruction in this department is under the direction of Dr. David M. Robinson, Non-Resident Lecturer in Classical Archæology, Miss Georgiana Goddard King,* Reader in English

* Granted leave of absence for the year 1911-12.

and Lecturer in Art, and Miss Lily Ross Taylor, Reader and Demonstrator in the History of Art and Classical Archaeology, and an instructor whose appointment will be announced later.

An archæological seminary of two hours a week throughout the year is offered to graduate students who have done elementary archæological work, and also a journal club meeting one and a half hours a fortnight.

In addition to the graduate seminary announced, other courses will be provided as need for them arises, and individual students will be directed in special work by means of private conferences.

The undergraduate work is divided into courses of three hours a week, and two hours a week, and these change from year to year so affording a series of instruction in painting, architecture and sculpture.

GRADUATE COURSES.

A seminary in archæology and a journal club are offered to graduate students in addition to the elective courses which are open also to undergraduate students. A reading knowledge of French and German is indispensable for graduate work in art and archæology.

No undergraduates are admitted to graduate courses.

Dr. Robinson conducts in 1911-12 the following graduate seminary which is offered in each year:

Archæological Seminary.

Two hours a week throughout the year.

This course is open only to graduate students who have had some previous training in classical archæology. The order of the subjects may be changed in accordance with the needs of the students.

In 1911-12 the subjects of the seminary are Cretan antiquities in the first semester and Greek and Roman pottery in the second semester.

In 1912-13 Greek and Roman coins will be studied in the first semester and Greek and Roman sculpture will be the subject of the seminary in the second semester.

In 1913-14 Roman architecture and topography will be the subjects of the seminary in the first semester and Greek vases of the fifth century are studied in the second semester.

The journal club is conducted in each year by the instructors in the department:

Archæological Journal Club. *One and a half hours a fortnight throughout the year.*

The graduate students and the instructors meet for the presentation and discussion of topics of current archæological literature.

The following advanced undergraduate courses may be attended by graduate students:

Miss King offers in 1912-13 the following courses, open to graduate students:

Italian Renaissance Painting from the Middle of the Thirteenth to the Middle of the Sixteenth Century. *Three hours a week throughout the year.*

In the first semester the Italian Primitives are studied, chiefly in the schools of Florence, Siena, and Umbria; in the second semester the painters of the High Renaissance, with special attention to those of Venice and the north of Italy.

Renaissance Sculpture.

Two hours a week throughout the year.

The first semester is devoted to the sculpture of the Italian Renaissance, the second chiefly to Northern art, and in especial to figure sculpture in France from the building of the Cathedrals to the close of the Renaissance. The great sculptors of Germany and Spain will also be noticed.

Miss King offers in 1913-14 the following courses, open to graduate students:

Painting in the Seventeenth and Eighteenth Centuries.

Two hours a week throughout the year.

In the first semester the Dutch and Flemish painters will be studied, in the second semester the French, Spanish, and English. The course will begin with a short consideration of the Primitives in France and the Low Countries and with the earlier English schools of landscape and portrait painting.

Gothic Architecture.

Three hours a week throughout the year.

The first semester is devoted to Romanesque and pointed architecture in Italy and Germany, with special attention to the introduction of Gothic into Italy by the Cistercians, and the second semester to the development of Gothic in France and Spain with parallels from English ecclesiastical architecture.

Miss Taylor offers in 1911-12 the following free elective course, open to graduate students:

Greek and Roman Sculpture.

Three hours a week throughout the year.

The course consists of a study of the development of Greek sculpture from its beginning to the end of the Hellenistic period. The last six weeks of the second semester are devoted to a survey of Roman sculpture.

In 1912-13 the following courses, open to graduate students, will be offered by an instructor whose appointment will be announced later:

Introduction to Classical Archæology. *Three hours a week throughout the year.*

Greek and Roman architecture, coins, small bronzes, and terra-cottas are studied in the first semester and Greek and Roman sculpture in the second semester. The work of the two semesters may be elected separately. The course is illustrated with lantern slides.

Ancient Painting.

Three hours a week throughout the year.

This course is concerned chiefly with vases and with Pompeian wall-paintings. A good collection of original material for the illustration of Greek vases is in the possession of the department. The course is illustrated with lantern slides.

Mathematics.

The instruction in this department is under the direction of Dr. Charlotte Angas Scott, Professor of Mathematics, Mr. Harry Bateman, Lecturer in Mathematics, and Dr. Helen Schaeffer Huff, Reader in Mathematics.

GRADUATE COURSES.

The graduate courses consist of lectures and seminary work, supplemented by private reading under the direction of the instructors, the courses being arranged each year with reference to the wishes and degree of preparation of the students concerned.

No undergraduates are admitted to graduate courses.

Dr. Scott offers in 1911-12 the following graduate course:

Plane Algebraic Curves.

Two hours a week throughout the year.

The course deals with the general theory of plane algebraic curves with special attention to topological investigations.

Dr. Scott offers in 1912-13 the following graduate course:

Special Algebraic Curves.

Two hours a week throughout the year.

The first part of the course will be devoted to a discussion of properties of cubic and quartic plane curves. Later in the year other classes of curves will be taken into account and important individual curves will be treated in detail.

Dr. Scott offers in 1913-14 the following graduate course:

Theory of Surfaces.

Two hours a week throughout the year.

In this course a general knowledge of plane algebraic curves and the elements of solid analytical geometry is presupposed. During the first semester the simpler properties of non-singular surfaces and projective properties of curves and developables are taken up; the classification of curves, the properties of ruled surfaces, and singularities of surfaces in general are treated in the second semester.

Mr. Bateman offers in 1911-12 the following graduate course:

Definite Integrals and Integral Equations.

Two hours a week throughout the year.

In the first semester the theory of the convergence of definite integrals is discussed and special attention paid to cases in which the order of two limiting processes is inverted. The second semester is devoted to the study of integral equations of the first and second kind and the general theory of distributive operations.

Mr. Bateman offers in 1912-13 the following graduate course:

Linear Differential Equations.

Two hours a week throughout the year.

This course consists of a discussion of the general theory of these equations, particular attention being paid to those of the second order. A detailed account is given of those equations whose singular points are regular. The expression of the variables as uniform functions of a parameter is dealt with and in this connection the elementary properties of automorphic functions are given. Solution by means of definite integrals and equations of the type which arise in connection with mathematical physics are discussed.

Mr. Bateman offers in 1913-14 the following graduate course:

Theory of Functions.

Two hours a week throughout the year.

A knowledge of the elements of the theory is presupposed. The course will contain some account of the theory of functions of more than one independent variable and in particular will include a discussion of the properties of multiply periodic functions.

Dr. Scott and Mr. Bateman together conduct the journal club.

Mathematical Journal Club.

One hour a fortnight throughout the year.

The journal club holds fortnightly meetings at which reports on special topics or memoirs are presented by the instructors and the graduate students.

POST-MAJOR COURSES.

The post-major courses in mathematics are designed to bridge over the interval between the ordinary undergraduate studies and advanced work. They deal, therefore, with the subjects of the major course, carried to higher developments and treated by higher methods. As the order of mathematical studies differs in different colleges, graduate students frequently find it advisable to devote a part of their time to these courses. Regular written work is expected from all mathematical students, and a reading knowledge of French and German is presupposed.

The post-major courses in any one year amount to four hours a week. The courses given are the following with occasional modifications:

I. (a.) Lectures Introductory to Modern Analytical Geometry, in connection with Salmon's *Conic Sections* and Scott's *Modern Analytical Geometry*.

or, I. (b.) Lectures on Modern Pure Geometry.

or, I. (c.) Lectures on Special Topics in Geometry, such as Homogeneous Coordinates, Circular Coordinates, Families of Curves, Certain Transcendental Curves, Geometrical Transformations, etc.

Special permission to take this course before completing the two years of the major course may be granted to students whose work in the major course has shown that they are able to profit by the lectures.

II. (a.) Lectures Introductory to Modern Algebra, in connection with Salmon's *Modern Higher Algebra*, and Elliott's *Algebra of Quantics*.

or, II. (b.) Lectures Preparatory to the Theory of Functions, in connection with Harkness and Morley's *Introduction to the Theory of Analytic Functions* and Chrystal's *Algebra*, Vol. II.

or, II. (c.) Lectures on Differential Equations, ordinary and partial.

or, II. (d.) A general course in Analysis, dealing with the higher development of subjects only touched upon in the major course, such as Determinants, Fourier's Series, Infinite Series, Definite Integrals, etc.

In 1911-12 the following post-major courses are offered:

I. (a.) Dr. Scott.

Two hours a week throughout the year.

II. (d.) Mr. Bateman.

Two hours a week throughout the year.

In 1912-13 the following post-major courses are offered:

I. (b.) Dr. Scott.

Two hours a week throughout the year.

II. (c.) Mr. Bateman.

Two hours a week throughout the year.

In 1913-14 the following post-major courses are offered:

I. (c.) Dr. Scott.

Two hours a week throughout the year.

II. (b.) Mr. Bateman.

Two hours a week throughout the year.

FREE ELECTIVE COURSES.

Dr. Scott offers in 1911-12 and again in 1913-14 the following free elective course, open to graduate students:

Graphic Mathematics.

One hour a week throughout the year.

The course deals with statistical work, probability, and theory of errors. It is recommended to students of economics as well as to students of physics. No knowledge of mathematics beyond the requirement for matriculation is presupposed.

Dr. Scott offers in 1912-13 and again in 1914-15 the following free elective course, open to graduate students:

Fundamental Theorems of Algebra and Geometry.

One hour a week throughout the year.

This course is offered in alternate years. Certain standard problems of historical interest are considered in order to elucidate some of the fundamental principles of mathematics. Either semester may be taken separately. No knowledge of mathematics beyond the requirement for matriculation is presupposed. It is hoped that the work will prove useful to those intending to teach elementary mathematics.

Mr. Bateman offers in 1911-12 the following free elective course open to graduate students:

Descriptive Astronomy.

Two hours a week throughout the year.

Dr. H. S. Huff offers in each year the following free elective course, open to graduate students:

Mathematics Preparatory to Science.

Two hours a week throughout the year.

This course deals chiefly with parts of the differential and integral calculus, trigonometry, analytical geometry, and differential equations. Some problems in probability are also considered.

SCIENCE.

Physics, Chemistry, Geology, Biology.

Professors and instructors: Dr. Joseph W. Warren, Dr. Elmer P. Kohler, Dr. Florence Bascom, Dr. William B. Huff, Dr. David Hilt Tennent, Dr. Nettie Maria Stevens, Dr. James Barnes, Dr. Frederick Hutton Getman, Dr. Chester Albert Reeds, Dr. Harriet Randolph, Miss Mabel Frehafer, and Miss Jessie Williams Clifton.

In January, 1893, the Trustees opened Dalton Hall, a large building, containing ample laboratories, lecture-rooms, research-rooms, special libraries, and professors' rooms for the work of the scientific departments. The chemical, geological, biological, and physical laboratories and the laboratory for experimental psychology are open for students from nine to six daily.

The chemical department includes a lecture-room, a large laboratory for the first-year students, and several smaller ones for advanced and special work, a special room for physical chemistry, preparation and balance rooms, and a chemical library. The supply of apparatus and chemicals has been carefully selected for the purpose of instruction and research, and is increasing from year to year. The chemical library contains, besides necessary treatises and reference books, complete sets of the most important chemical journals.

The geological department is equipped with large collections of minerals, rocks and fossils; a carefully selected library and laboratories furnished with maps, models, charts, lantern slides, petrologic microscopes, goniometers, and other apparatus necessary for work in undergraduate and graduate courses.

The biological laboratories are equipped with the best (Zeiss) microscopes, microtomes, etc., and are supplied with apparatus for the study of experimental physiology.

The physical laboratories are carefully furnished with the apparatus necessary for thorough work.

Graduate work in the natural sciences is highly special, and consists of laboratory work, private reading and special investigations pursued by the student under the guidance of the instructors.

Physics.

The instruction in this department is under the direction of Dr. William B. Huff, Professor of Physics, Dr. James Barnes, Associate Professor of Physics, and Miss Mabel Frehafer, Demonstrator in Physics.

GRADUATE COURSES.

The graduate courses consist of lectures, laboratory work, and original research under the direction of the instructors, the lecture courses varying from year to year so that they may be pursued by students through consecutive years. A good working library containing the current and bound numbers of all the important physical journals is kept in the laboratory.

No undergraduates are admitted to graduate courses.

Dr. Huff offers in 1912-13 the following graduate course:

Mathematical Theory of Electricity and Magnetism.

Three hours a week throughout the year.

The lectures are based on Maxwell's standard work, and include a general account of the later development of the theory.

Dr. Huff offers in 1914-15 the following graduate courses:

Radioactivity and Discharge of Electricity through Gases.

Three hours a week during the first semester.

The earlier lectures treat of the effect of fields on the path of a moving charged particle. A discussion of typical experimental methods of measuring velocity and the ratio of charge to the mass follows. After a study of the phenomena of electrical discharge and of radioactivity a brief account of theories is given.

Electron Theory.

Three hours a week during the second semester,

The mathematical development of the subject is presented in the lectures, with special reference to experimental tests of theory.

Dr. Barnes offers in 1911-12 the following graduate course:

Physical Optics.

Three hours a week throughout the year.

This course gives a general mathematical discussion of physical optics. Students are expected to give detailed reports on the methods and results of investigations which illustrate the theory. When it seems desirable two and a half hours of experimental work will be substituted for one hour of the lecture course.

Dr. Barnes offers in 1913-14 the following graduate course:

Thermo-dynamics and Radiation.

Three hours a week throughout the year.

The modern developments of thermo-dynamics and radiation are considered. Attention is paid to the application of the laws of thermo-dynamics in physical chemistry.

In each year Dr. Huff and Dr. Barnes together conduct the seminary, the journal club, and the laboratory work.

Physical Seminary and Journal Club.

One hour a week throughout the year.

The advanced students meet with the instructors once a week to hear or read papers on assigned topics in physics.

Laboratory work.

The laboratory work is arranged for the purpose of familiarising the student with the methods of research; the student begins by repeating methods and investigations of well-known experimenters, with any modifications that may be suggested, passing on to points of investigation left untouched by previous experimenters, and finally to the study of new methods and the prosecution of original research. Students taking physics as their chief subject for the degree of Doctor of Philosophy are expected to spend all the time possible in the laboratory. In the basement there is a constant-temperature vault designed for accurate comparison of lengths, etc., and the laboratory is provided with special rooms for magnetic, optical, and electrical work. A well-equipped shop and a trained mechanic make it possible to have special forms of apparatus constructed which are needed in research work.

FREE ELECTIVE COURSES.

Dr. Huff offers in 1911-12 the following free elective course, open to graduate students:

Historical Development of Physics.

One hour a week throughout the year.

The work of this course consists of lectures, required reading and class-room discussions. The lectures give an elementary presentation of some of the more important ideas

and results of physics. The reading is intended to supplement the lectures and to provide additional material for general discussion. The course is open to students who have had a minor course in science or its equivalent.

Dr. Huff offers in 1912-13 the following free elective course, open to graduate students:

Physical Basis of Music.

One hour a week throughout the year.

In the lectures of this course it is planned to present some of the physical principles illustrated in the construction of musical instruments and underlying the general theory of music. Private reading will be assigned.

POST-MAJOR COURSES.

Dr. Huff offers in 1911-12 the following post-major course, open to graduate students:

Electricity and Magnetism.

Three hours a week throughout the year.

The lectures of this course treat typical mathematical and experimental problems chosen from the various parts of the entire subject. A large number of problems on potential and attraction are assigned.

Dr. Huff offers in 1913-14 the following post-major courses, open to graduate students:

Properties of Matter.

Three hours a week during the first semester.

The lectures cover the general subject of the properties of matter studied from the point of view of the Molecular Theory. The different theories of matter are discussed and an account of recent investigations concerning the relations of matter and electricity is given. Poynting and Thomson's *Properties of Matter* is read in connection with the course.

Theory of Sound.

Three hours a week during the second semester.

The lectures form an introduction to the theory of modes of vibration of pipes, strings, and rods. The theory of music and of musical instruments is then studied. Poynting and Thomson's *Sound* is used during the earlier part of the course, and frequent references are made to Helmholtz and Rayleigh.

Dr. Barnes offers in 1912-13 the following post-major course, open to graduate students:

General Optics.

Three hours a week throughout the year.

These lectures give a general discussion of the theories advanced to explain many phenomena in light. Students are required to have a good knowledge of elementary optics and to be sufficiently familiar with optical apparatus to undertake a detailed study of some special problem.

Dr. Barnes offers in 1914-15 the following post-major course, open to graduate students:

Spectroscopy.

Three hours a week throughout the year.

The course begins with a complete discussion of the apparatus used in this subject; the results of past and present investigations are then considered, and problems for investigation are pointed out. The many important applications of spectroscopy to astronomy are not neglected. The standard book of reference is Kayser's *Handbuch der Spectroscopie*. Detailed reports of laboratory investigations are required.

Chemistry.

The instruction in this department is under the direction of Dr. Elmer P. Kohler, Professor of Chemistry, Dr. Frederick Hutton Getman, Associate in Chemistry, and Miss Jessie Williams Clifton, Demonstrator in Chemistry.

GRADUATE COURSES.

The advanced courses in chemistry consist of lectures upon inorganic, organic, and physical chemistry, seminary work, reports upon current chemical literature, and laboratory exercises. In the laboratory work the students are required to become familiar with the literature bearing upon the subjects they are studying, and it is therefore necessary for them to have a reading knowledge of French and German.

The lecture courses are varied from year to year to meet the requirements of students and to form a consecutive course for those who wish to make chemistry the chief subject in the examination for the degree of Doctor of Philosophy. Such students may specialise either in organic chemistry, under the direction of Dr. Kohler or in inorganic and physical chemistry, under the direction of Dr. Getman, but students who make organic chemistry the major subject of examination must take physical chemistry as one of their minor subjects, and students who make inorganic chemistry the major subject, must take organic chemistry as one of the minor subjects.

No undergraduates are admitted to graduate courses.

Dr. Kohler conducts in each year the following graduate seminary:

Chemical Seminary, Organic Chemistry. *One hour a week throughout the year.*

The students who specialise in organic chemistry present formal reports upon assigned topics.

Dr. Getman conducts in each year the following graduate seminary:

Chemical Seminary, Inorganic Chemistry. *One hour a week throughout the year.*

The course consists of lectures, required reading, and reports on various topics. Modern determinations of atomic weight, the constitution of the chromic chlorides, the separation of the rare earths and radio-activity have been among the subjects treated. The needs of the individual students are considered in selecting the subjects for discussion.

Dr. Kohler offers in 1912-13 and again in 1914-15 the following graduate course:

Advanced Organic Chemistry. *Three hours a week throughout the year.*

Dr. Getman offers in 1911-12 and again in 1913-14 the following graduate course:

Physical Chemistry. *Three hours a week throughout the year.*

The lectures give a general survey of the subject, including the laws of gases, the elements of thermodynamics, the theory of solutions, chemical kinetics, equilibria, thermo-chemistry, and electro-chemistry.

The laboratory work in connection with the course includes the determination of specific gravities of solids and liquids, the molecular weights of vapors and dissolved substances; the study of reaction velocities, calorimetry, and electro-chemical measurements.

Dr. Kohler and Dr. Getman together conduct the journal club.

Chemical Journal Club.

One hour a week throughout the year.

The advanced students, with the instructors, meet to hear reports and discussions on recent scientific articles.

POST-MAJOR COURSES.

Dr. Kohler offers in 1911-12 and again in 1913-14 the following post-major course, open to graduate students:

Organic Chemistry, selected topics.

Three hours a week throughout the year.

The aim of this course is to lay the foundation for independent work in organic chemistry. The lectures begin with a study of current problems as illustrated by some particular class of organic compounds. This is followed by a discussion of the laboratory methods available for the solution of such problems.

The laboratory work is varied to meet the wants of the individual students. In general the student begins with the preparation of some of the more important substances that are discussed in the lectures. This is followed by organic analyses, molecular weight determinations, and the transformations necessary to establish the structural formulas of the substances prepared. In the second semester some elementary problem in organic chemistry is assigned to each student.

Dr. Getman offers in 1912-13 and again in 1914-15 the following post-major course, open to graduate students:

Inorganic Chemistry.

Three hours a week throughout the year.

The aim of the lectures is to extend the students' knowledge of inorganic and theoretical chemistry and to lay a foundation for independent work in this subject. One hour a week is given to a discussion of the laboratory work and subjects suggested directly by it.

The laboratory work includes the calibration of instruments; the preparation of pure substances; advanced quantitative analysis, comprising the elements of gas and water analysis; and such physico-chemical measurements as the needs of the individual student may indicate.

Geology.

The instruction in this department is under the direction of Dr. Florence Bascom, Professor of Geology, Dr. Chester Albert Reeds, Associate in Geology, and Dr. Thomas Clachar Brown, Associate (elect) in Geology.

The instruction offered in geology includes, in addition to the minor and major courses, three free elective courses of one and two hours a week respectively, five post-major courses of three hours a week open only to graduates and to undergraduates

that have completed the major course in geology, and six graduate courses of five and three hours a week respectively.

Post-major courses in petrology and paleontology are offered in each year, and are designed to train the student in petrographic methods for the exact determination of rock species and rock families and in the principles of invertebrate and vertebrate paleontology. They are an essential preliminary to research work in the science.

Excellent illustrative material for the graduate and undergraduate courses is furnished by the geological and paleontological collections of the college, including the Theodore D. Rand rock and mineral collection, which alone contains over 20,000 specimens, by the private collections of the instructors, and by material lent by the United States Geological Survey and various State Geological Surveys; the department is also fortunate in its proximity to the museum of the Academy of Natural Sciences of Philadelphia; within easy reach of the college there are excellent collecting fields for fossil, mineral, and rock specimens.

GRADUATE COURSES.

The graduate courses in petrology and mineralogy should be preceded by the major and post-major courses or their equivalents and are intended primarily for graduate students wishing to make geology a major subject for the degree of Doctor of Philosophy. The graduate course in mineralogy is also intended to meet the needs of graduate students in chemistry who wish to make mineralogy a minor subject for the degree of Doctor of Philosophy. The graduate courses in paleobotany, stratigraphic geology and paleontology and paleogeography are designed primarily for graduate students wishing to make geology a major subject for the degree of Doctor of Philosophy; they may also be taken by graduate students in biology who wish to make paleontology or paleobotany a minor subject for the degree of Doctor of Philosophy. Further graduate courses in petrology and paleontology will be arranged to suit the requirements of candidates for the degree of Doctor of Philosophy and research problems will be assigned.

Students may specialize either in petrology and mineralogy, under the direction of Dr. Bascom, or in stratigraphic geology and paleontology, under the direction of Dr. Reeds, but students who make petrology and mineralogy the major subject of examination must take stratigraphic geology and paleontology as one of the minor subjects and students who make stratigraphic geology and paleontology the major subject, must take petrology as one of the minor subjects.

No undergraduates are admitted to the graduate courses.

Dr. Bascom conducts in each year the following graduate seminary:

Petrology.

One hour a week throughout the year.

This seminary will be conducted by means of informal discussions, required reading, and formal reports. The selection of subjects for discussion will be dependent upon the needs of the individual students.

Dr. Brown conducts in each year the following graduate seminary:

Stratigraphic Geology and Paleontology. *One hour a week throughout the year.*

The students who specialize in stratigraphic geology and paleontology present formal reports upon assigned topics.

Dr. Bascom offers in each year the following graduate courses:

Petrology.

Five hours a week throughout the year.

The lectures deal with the problems of metamorphism of both aqueous and igneous rocks. The character of metamorphic processes and the conditions which control these processes, the megascopic and microscopic structures, and the criteria determining the origin, classification, geographic distribution, and geologic occurrence of metamorphic rocks are treated. Direction is given in research work, map making, and advanced field work. The amount of laboratory, field work, and private reading required makes the course the equivalent of five hours a week.

Mineralogy.

Three hours a week throughout the year.

Both the lectures and laboratory practice deal with crystal measurement by means of the two-circle goniometer, with crystal projection, and crystal drawing.

The works of Goldschmidt, Hintze, Groth, Tschermak, and Dana are used as reference books.

Dr. Brown offers in each year the following graduate courses:

Paleobotany.

Three hours a week during the first semester.

The lectures deal with the principles of modern botany and geology and the application of these principles to the plant remains which have been found buried in the rocks of all ages. Particular attention will be given to the structure and modes of preservation of fossil plants, the seven prominent ages of plants and the past histories of plant families.

Stratigraphic Geology and Paleontology of North America.

Three hours a week during the second semester.

The lectures deal with the principles of sedimentation; the petrologic character, distribution, faunal contents and geologic succession of the formations of North America. The limits of the various faunal provinces will be established so far as possible and the sediments deposited in the various epicontinental seas correlated. The diastrophic movements which threw the formations into folds producing mountain ranges and basins will receive special attention.

Stratigraphic Geology and Paleontology of Europe.

Three hours a week during the first semester.

The lectures deal with the petrologic character, distribution, faunal contents, and geologic succession of the formations of Europe. The various epicontinental seas which were the chief areas of deposition and the diastrophic movements which separated off epoch from epoch, period from period, era from era and folded the formations in certain places producing mountains and basins will be discussed in their proper connections.

Paleogeography.*Three hours a week during the second semester.*

The lectures deal with all phenomena that throw light upon the extent, the relief, the climate and the life of the lands and seas of geologic time. Special attention will be given to the positive and negative movements of the strand line, the development of epicontinental seas, the distribution of atmospheric and oceanic currents, climatic changes, food supply, faunal provinces, and the effect of seas and barriers upon the distribution and migration of plants and animals. In the laboratory a number of the exercises will deal with the making of paleogeographic maps and models.

Dr. Bascom and Dr. Reeds together conduct the journal club.

Geological Journal Club.*One hour a week throughout the year.*

The graduate students and the instructors meet for the presentation and discussion of recent geological literature.

POST-MAJOR COURSES.

Dr. Bascom offers in each year the following post-major course, open to graduate students:

Petrography.*Three hours a week throughout the year.*

During the first semester the lectures deal with the principles of optical crystallography, the optical means of mineral determination, and the petrographic characters of rock-forming minerals. In the second semester the structure, composition, characters, origin, geographical distribution, and geological associations of the igneous rocks are treated. Practice is given in the quantitative chemical classification of igneous rocks for the purpose of determining their position in the new system. Petrographical investigation in the field and laboratory is included in the course. The works of Groth, Rosenbusch, Zirkel, and Michel Levy are used for reference. Special field problems are given to the students for independent solution.

Dr. Brown offers in each year the following post-major courses, open to graduate students:

Invertebrate Paleontology.*Three hours a week during the first semester.*

The course presupposes a knowledge of historical geology. A systematic study is made of the various classes of invertebrate animals which are found in a fossil state. Special attention is given to the relations of these classes to each other as bearing on their origin and on the theory of evolution. Those classes which are of practical value to the stratigraphic geologist in determining the geologic age of formations are dwelt upon at considerable length. Excursions are made to neighboring fossiliferous localities to collect fossils and to observe their occurrence in the rocks. The student has access, not only to the representative paleontological collection of Bryn Mawr College, but also to the large collections of the several academies and institutes in Philadelphia.

Vertebrate Paleontology.*Three hours a week during the second semester.*

A systematic study is made of the vertebrate remains which have been found as fossils. Since the vertebrated organisms represent the highest phase of development to which the animal kingdom has attained, a study of their past history is of prime importance in elucidating some of the most fundamental principles in the evolution of life.

Dr. Brown offers in 1913-14 the following post-major courses, open to graduate students:

Economic Geology.*Three hours a week during the first semester.*

The lectures deal with the properties, occurrence, distribution, production, value, etc., of the more important non-metallic minerals such as coal, petroleum, building stones, clay, lime, calcareous cements, salines, gypsum, fertilizers, abrasives, asbestos, graphite, precious stones, and underground waters. The metallic ores such as iron, copper, lead and zinc, silver-lead, gold and silver, and the minor metals will also be considered.

The Nature of Ore Deposits.

Three hours a week during the second semester.

The theories as to the origin of ore bodies and the nature of their occurrence in the more important mines of the world will be considered.

FREE ELECTIVE COURSES.

Dr. Bascom will offer in 1912-13, if the time of the department permits, the following free elective course, open to graduate students:

Cosmogony.

One hour a week throughout the year.

The work of the course will be conducted by means of lectures, required reading and classroom discussion. The lectures will treat of the origin of the earth, the growth of the continents and the development of landscape, and will be illustrated by lantern slides. The reading is intended to supplement the lectures and to furnish further material for discussion. The course is intended to give a survey of the more important results reached by geological research.

Dr. Brown offers in each year the following free elective courses, open to graduate students:

Evolution of the Vertebrates.

Two hours a week during the first semester.

This course consists of lectures illustrated by charts, diagrams, lantern slides and photographs. It gives a comprehensive outline of the evolution of the vertebrates from the earliest appearance of representatives of this group to the beginning of the Cenozoic era. The vertebrate phylum not only contains the highest types of animal life but is the only phylum which has gone through the whole of its evolution since the beginning of geological history as recorded in the fossil-bearing rocks. The course will consider first those primitive types which perhaps represent ancestral vertebrate forms and then will consider in the order of their appearance the five great classes of Fishes, Batrachians, Reptiles, Birds, and Mammals.

Evolution of the Mammals.

Two hours a week during the second semester.

This course is a continuation of the preceding. The rise and development of the mammals will be followed in considerable detail, and an attempt will be made to show the relation between the types which were developed and their environment including the geographic, physiographic, and climatic factors as well as the surrounding animal and plant life.

Biology.

The instruction in this department is under the direction of Dr. David Hilt Tennent,* Associate Professor and Professor (elect) of Biology, Dr. Joseph W. Warren, Associate Professor of Physiology, Dr. Nettie Maria Stevens, Associate in Experi-

* Granted leave of absence for the year 1911-12.

mental Morphology, Dr. Harriet Randolph, Demonstrator in Biology and Reader in Botany, and Miss Abigail Camp Dimon, Reader in Biology.

GRADUATE COURSES.

The advanced courses are varied from year to year, so as to form a consecutive course for students that wish to make biology one of the chief subjects of the examination for the degree of Doctor of Philosophy. Such students may specialise either in animal morphology under the guidance of Dr. Tennent and Dr. Stevens, or in animal physiology under the guidance of Dr. Warren.

No undergraduates are admitted to graduate courses.

Dr. Tennent offers in 1911-12 the following graduate course:

Embryology of Invertebrates.

One hour a week throughout the year.

The embryology of invertebrates with special reference to germinal organisation, cleavage and differentiation, and to the problems of inheritance and development is studied. This course varies in accordance with the needs of the students in the department.

Dr. Tennent offers in 1912-13 the following graduate course:

The Evolution of Organisms.

One hour a week throughout the year.

The lectures deal with the growth of the idea of organic evolution. The course is historical in character; when previously given much time was devoted to a critical examination of the work of Lamarck, Darwin, and De Vries.

Dr. Tennent offers in 1913-14 the following graduate course:

Embryology of Echinoderms.

One hour a week throughout the year.

Dr. Warren offers in 1911-12 the following graduate courses:

An Introduction to the History and Literature of Animal Physiology.

One hour a week during the first semester.

The Problem of the Knee-jerk, and a Discussion of the Graphic Method in its Application to Physiology.

One hour a week during the second semester.

Dr. Warren offers in 1912-13 the following graduate course:

Selected Problems of Nutrition with special reference to recent discussions of standard diets.

One hour a week throughout the year.

Dr. Warren offers in 1913-14 the following graduate courses:

The Interstitial Secretion of Glands ("Internal Secretion").

One hour a week during the first semester.

Selected Problems in Respiration and their bearing on the Nature of Metabolism, and the Problem of Animal Heat (Thermometry and Calorimetry).

One hour a week during the second semester.

Dr. Stevens offers in each year the following graduate course:

Cytology.

One hour a week throughout the year.

The course deals with the anatomy of the cell, and the relations and functions of its various structures in unicellular and multicellular organisms. Special attention will be given to the phenomena of karyokinesis and sexual reproduction and the theories connected therewith. Considerable time will be devoted to the consideration of problems in insect spermatogenesis.

Dr. Stevens offers in 1911-12 and again in 1913-14 the following graduate courses:

Advanced Experimental Morphology: Mendelism and Eugenics.

One hour a week during the first semester.

The course includes a full discussion of Mendel's principles of heredity, and modern genetics, followed by a consideration of eugenics from the Mendelian standpoint.

Biometry, Selection and the Pure Lines of Johannsen.

One hour a week during the second semester.

Biometrical methods of value to students of zoology, botany, and physiology will be studied in this course. The Pure Lines of Johannsen will be discussed in connection with the application of biometry to the study of evolution.

Dr. Stevens offers in 1912-13 and again in 1914-15 the following graduate courses:

Sex-Determination, and Some Problems in Regeneration.

One hour a week during the first semester.

The literature and theories of sex determination will be discussed; and some of the theoretical problems connected with recent studies on regeneration will be considered.

The Mutation Theory and Germinal Localisation.

One hour a week during the second semester.

The experimental work of De Vries, MacDougal, Tower and others will be made use of in discussing the mutation theory of the *Origin of Species*, special attention being devoted to the details of the experiments and to the methods employed. Experiments on the fertilised and unfertilised egg, not included in the courses on embryology, will be discussed under the topic Germinal Localisation.

By request of students registering for the course in experimental morphology, one or both courses offered in 1911-12 may be substituted for those offered for 1912-13.

Dr. Tennent, Dr. Warren, and Dr. Stevens together conduct the journal club, the seminary, and the laboratory work.

Biological Journal Club.

One hour a fortnight throughout the year.

The advanced students and the instructors meet fortnightly for the discussion of topics of current biological literature.

Biological Seminary.

One hour a fortnight throughout the year.

The graduate students and the instructors meet fortnightly for the formal presentation of assigned topics.

Laboratory Work.

There is no regular course of laboratory instruction for graduates. Each student desiring to devote a considerable portion of her time to such work is given a problem for verification or extension. The nature of the work depends in each case on the qualifications of the student.

POST-MAJOR COURSES.

Dr. Tennent offers in 1912-13 and again in 1914-15 the following post-major course, open to graduate students:

Embryology of Vertebrates.

One hour a week throughout the year.

This course consists of lectures, assigned reading and laboratory work on the embryology of vertebrates. The lectures deal with the development of specific forms and with theoretical questions of embryological interest. The department has material for the study of the development of Amphioxus, Ascidian, Amia, Lepidosteus, Squalus, Ctenolabrus, Necturus, Rana, Chrysemys, Chick and Pig. At least five hours of laboratory work will be required.

The course is divided as follows: First semester—Embryology of Vertebrates (a). Early stages of development. Second semester—Embryology of Vertebrates (b). Organogeny.

Dr. Tennent offers in 1913-14 the following post-major course, open to graduate students:

Advanced Zoology.

One hour a week during the first semester.

This course of lectures, assigned reading and laboratory work is intended to supplement the major course in zoology and must precede the post-major course in cytology. It is designed as a beginning research course. The course has varied from year to year. the molluscs, protochordates and echinoderms having in turn served as the basis of study. If the student is sufficiently prepared, some problem in animal morphology will be assigned. At least four hours of laboratory work will be required.

Dr. Warren offers in each year the following post-major courses, open to graduate students:

Advanced Physiology.

One hour a week throughout the year.

The topics selected depend upon the previous training of the students, and as far as possible the preferences of the students are consulted. Occasional conferences are held for the discussion of essays prepared by the students and presenting the more important evidence concerning the fundamental problems of physiology. By this means it is hoped to familiarise the student with the literature and with the methods of investigation. In suitable cases and by special permission of the instructor this course may be extended by laboratory work and private reading. In this way it may be made equivalent to a course of two or three hours a week.

Lectures on the Structure and Function of the Central Nervous System.

One hour a week throughout the year.

This course may, under special circumstances, be taken at the same time as the major course. The finer structure of the nervous system of the higher vertebrates is discussed in considerable detail. The physiology of the cord and brain is presented as fully as the time will permit. This course may also be taken as a one hour elective by properly qualified students.

Lectures and Demonstrations in Physiological Chemistry.

Two hours a week throughout the year.

The instruction in this course is given by lectures and conferences on selected topics and also by laboratory work of about three hours a week. It treats of the problems of secretion and excretion, and also of the principal questions of nutrition in considerable detail and with reference to the more modern theories relating to these processes. The lectures are intended to supplement those of the major year, and a preliminary training in chemistry equivalent to that obtained in the minor course is required. This course may be taken as a two hour elective by properly qualified students.

Human Osteology.*One hour a week throughout the year.*

This course is intended for students in the preliminary medical course; it may also be taken as a free elective course by properly qualified students receiving special permission. Two hours laboratory work is required in connection with the course.

Dr. Stevens offers in each year the following post-major courses, open to graduate students:

Protoplasm, the Cell, and Cytological Technique.*One hour a week during the second semester.*

This course consists of a study of the structure of protoplasm, the structure of the cell, the phenomena of cell division, maturation and fertilisation. Both plant and animal cells will be studied, and instruction will be given in methods of preparing cytological material for microscopical examination. To be taken as a two hour course with four hours laboratory.

Experimental Morphology.*One hour a week throughout the year.*

The object of this course is to give a general historical view of experimental morphology of both plants and animals, to discuss some of the methods employed, to point out the results already obtained, and to indicate the nature of the work now being done in the subject. The topics discussed are: regeneration in Protozoa and Metazoa, behaviour of lower organisms, experiments on the fertilised and unfertilised egg, Mendel's experiments in hybridisation, and De Vries Oenothera mutants. This course may, in exceptional cases, be taken as a one hour course with one and a half hours laboratory or assigned reading, but it is recommended that it be taken with four or six and a half hours laboratory as a two or three hour course.

Dr. Tennent, Dr. Warren, and Dr. Stevens conduct laboratory work in connection with the above courses:

Laboratory Work.

It is desirable that as much laboratory work as possible should be done in connection with the courses offered above. The object of the laboratory work is to give the student experience in the use of apparatus and in adapting it to research. Some special problem is assigned to each student; at the end of the year the results of the work are presented in writing.

FREE ELECTIVE COURSES.

Dr. Tennent offers in each year the following free elective course, open to graduate students:

Theoretical Biology.*One hour a week throughout the year.*

This is a historical course dealing with the development of the theories of biology. Special attention is given to theories of evolution and heredity. The course is open to students who have had one year's training in science. A considerable amount of assigned reading is required.

Dr. Stevens offers in 1912-13 the following free elective course, open to graduate students:

Heredity and Eugenics.*One hour a week during the first semester.*

This is a course of lectures on Eugenics from a strictly biological standpoint. The course will begin with a study of heredity in lower forms. Our present knowledge of human heredity will then be discussed in its relation to eugenic marriages and the future of the race

and the nation. An attempt will also be made to assist in gathering such data on human heredity as will be of value in placing eugenic teaching on a more adequate scientific basis.

The course is open to students who have had one year of biological training. This course is followed by a course in Euthenics given by Dr. Parris, one hour a week during the second semester. See page 97.

Dr. Randolph offers in each year the following free elective course, open to graduate students:

Birds.

One hour a week during the second semester.

This course consists of lectures, the examination of museum specimens, and the study of habits, distribution, migration, etc. The required laboratory work of one and one half hours a week will consist of field excursions.

COLLEGE BUILDINGS.

The college buildings are situated at Bryn Mawr, in the suburbs of Philadelphia, five miles west of the city, on the main line of the Pennsylvania Railroad. The site of the college is four hundred and twenty feet above sea level, in the midst of a beautiful rolling country made accessible by good roads in every direction. The college grounds cover fifty-two acres, and include lawns, tennis courts, and two large athletic fields, one of which is converted in winter into a skating-pond.

Taylor Hall (named after the founder), a large building of Port Deposit stone, contains a general assembly room, ten lecture-rooms, and the offices of administration.

The library, the gift of the friends, graduates, and students of the college, begun in April, 1903, was completed in February, 1907. It is built of gray stone in the Jacobean Gothic style of architecture of the period of 1630, and forms three sides of a closed quadrangle. The main building, devoted to the library proper, faces east and is opposite and parallel to Taylor Hall at a distance of about fifty yards; the principal entrances of the two buildings face each other and are connected by a broad cement path. The east front is one hundred and seventy-four feet long and contains a three story stack with accommodation for eighty-eight thousand volumes, and above this a large reading-room with desks for one hundred and thirty-six readers, each desk screened to a height of two feet, as in the British Museum reading-room, to secure privacy to the reader. No books of reference are kept in the main reading-room. Beyond the reading-room on the south side are the newspaper and mag-

azine rooms. On the north side are the Art and Archæological seminaries, containing collections of photographs, vases, and coins. The main building contains offices for the librarians and cataloguers, a professor's office, and four cloak rooms. The wings of the building, running symmetrically about two hundred feet in length from the north and south ends of the main building, contain twelve seminary rooms and twenty-five professors' offices. The books needed for graduate study and research are kept in the seminary rooms where the graduate lectures are held. The seminaries are arranged as follows: Greek, Latin, English, German, French, Italian and Spanish, and Philosophy in the north wing; Mathematics, History, Economics, Psychology, and Semitic Languages in the south wing. The total book capacity of the library including the seminary libraries and the books for general study which are kept in the stack, is 168,449 volumes. The building is absolutely fire-proof. Professors' offices for the senior professor in each department adjoin the seminary rooms. There are also two seminary lecture-rooms accommodating about fifteen students, one general lecture-room accommodating forty-two students, four interview rooms, and a library for the use of the Christian Union.

On the first floor of the south wing the department of experimental psychology has two large laboratories, one for general work and one for research. The basement of the north wing contains rooms for the Monograph Committee of the Faculty, the Alumnæ Association, the Students' Association for Self-Government, and fire-proof safe rooms for the records and archives of the college. The quadrangular court enclosed by the building is surrounded by cloisters and in the centre of the grass enclosure is a fountain, the gift of the class of 1901.

The library is open for students on week-days from 8 a. m. till 10 p. m. and on Sundays from 2 p. m. till 10 p. m. It is open for the faculty at all hours.

In January, 1893, the scientific departments of the college were transferred to Dalton Hall, a stone building erected by the Trustees out of funds in large part contributed by the generosity of friends of the college. Dalton Hall is entirely occupied by the scientific departments, the special scientific libraries, and the

consultation-rooms of the professors of science. The first floor and the basement are reserved for physics, the second floor is reserved for biology, the third floor for chemistry, and the fourth and fifth floors for geology. In December, 1893, a greenhouse designed for the use of the botanical department was added to Dalton Hall as the gift of the *alumnæ* and students.

Around Taylor Hall the Trustees have erected halls of residence for the accommodation of students. Plans, drawings, and descriptions of the six halls of residence, Merion Hall, Radnor Hall, Denbigh Hall, Pembroke Hall East, Pembroke Hall West, and Rockefeller Hall, the gift of Mr. John D. Rockefeller, and of the academic buildings, Taylor Hall, the Library, and Dalton Hall, are published in a separate pamphlet to be obtained from the Secretary of the College.

The new gymnasium, erected on the site of the first gymnasium and the gift of the Athletic Association, the *alumnæ* and thirteen neighbors of the college, was completed in February, 1909. It is open to the students from 8 a. m. till 10 p. m., daily, contains a large hall for gymnastic exercises, with a running or walking track for use in rainy weather; a room for the director, and an adjoining room for the examination and record of the physical development of the students, a waiting room, and cloak rooms. In the basement are bathrooms for use after exercise and a swimming-tank, sixty-nine feet long, twenty feet wide, and from four to seven and a half feet deep, given in 1894 by the *alumnæ*, students, and friends of the college, and well supplied with spring boards, life preservers, and other apparatus for the teaching of swimming. The gymnasium is under the charge of a director and two assistants.

There is on the grounds, separated from the other buildings, a cottage infirmary, or hospital, with accommodation for patients and nurses, and its own kitchen and bathrooms.

A central power-house, which was erected in 1903 as part of the gift of Mr. John D. Rockefeller, furnishes heat, electric light, and hot water for all the college buildings. Steam is conducted through tunnels underground to coils in the basement of each building. Air brought in from the outside is blown through the heaters by powerful fans and distributed to the various rooms, and the piping system is so adjusted as to change the air com-

pletely in every room once in every ten minutes throughout the day and night. The temperature is regulated by thermostats in the heating coils as well as in the individual rooms. The electric lights, including electric reading-lamps for each student, are installed in the most approved manner and the voltage is kept constant so that there is no fluctuation. A constant and abundant supply of hot water is laid on and maintained at a temperature of 180 degrees, during all the twenty-four hours of the day, in all the bathrooms and stationary washstands and tea pantries.

The Delaware and Atlantic Telegraph and Telephone Company, a branch of the long-distance Bell Telephone Company, maintains telephone pay stations in each of the halls of residence, in the library and in the gymnasium, by means of which the students may be communicated with at any time. Near the college are a Postal Telegraph-Cable Company office (service 6 A. M. to 12 P. M.), an Adams Express office, a United States money-order office and two banks. There are good roads in every direction. Horses for riding and driving may be kept at livery near the college, at a cost of twenty-five dollars a month.

UNIVERSITY OF ILLINOIS

PRESIDENT'S OFFICE

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UNIVERSITY OF ILLINOIS

PRESIDENT'S OFFICE

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BRYN MAWR COLLEGE

CALENDAR

GRADUATE COURSES

1913



BRYN MAWR, PENNSYLVANIA.
Published by Bryn Mawr College,
March, 1913.

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1912-13.

BRYN MAWR COLLEGE CALENDAR

1913.

PART 1. Register of Alumnæ and Former Students.

PART 2. Graduate Courses.

PART 3. Undergraduate and Graduate Courses.

PART 4. Academic Buildings and Halls of Residence,
Plans and Descriptions.

BRYN MAWR COLLEGE.

COLLEGE CALENDAR.

1913.

JANUARY.

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The academic year will close with the Conferring of Degrees at eleven o'clock, on June 4th, 1914.

ACADEMIC YEAR, 1913-14.

September 23rd.	Matriculation examinations begin.
September 29th.	Registration of students. Halls of Residence open for students at three p. m.
September 30th.	Registration of students. Matriculation examinations end.
October 1st.	The work of the twenty-ninth academic year begins at a quarter to nine o'clock.
October 2nd.	Examinations for advanced standing begin.
October 18th.	Senior oral examination in French.
October 23rd.	Examinations for advanced standing end.
October 25th.	Senior oral examination in German.
November 17th.	Collegiate and matriculation condition examinations begin.
November 25th.	Collegiate and matriculation condition examinations end.
November 26th.	Thanksgiving vacation begins at one o'clock.
December 1st.	Thanksgiving vacation ends at nine o'clock.
December 6th.	Senior oral examinations in French and German.
December 22nd.	Christmas vacation begins at one o'clock.
January 6th.	Christmas vacation ends at nine o'clock.
January 21st.	Half-yearly collegiate examinations begin.
January 27th.	Matriculation examinations begin.
January 31st.	Collegiate examinations end. Annual meeting of the Alumnae Association.
February 2nd.	Vacation.
February 3rd.	Vacation. Matriculation examinations end.
February 4th.	The work of the second semester begins at a quarter to nine o'clock.
February 5th.	Examinations for advanced standing begin.
February 26th.	Examinations for advanced standing end.
March 14th.	Senior oral examinations in French and German.
March 30th.	Collegiate and matriculation condition examinations begin.
April 1st.	Mid-semester examinations in matriculation Greek, German and French.
April 4th.	Collegiate and matriculation condition examinations end.
April 8th.	Easter vacation begins at one o'clock.
April 16th.	Easter vacation ends at nine o'clock.
May 9th.	Senior oral examinations in French and German.
May 19th.	Vacation.
May 20th.	Collegiate examinations begin.
May 28th.	Matriculation examinations begin.
May 30th.	Collegiate examinations end.

- June 3rd. Matriculation examinations end.
 June 4th. Conferring of degrees and close of twenty-ninth
 academic year.

ACADEMIC YEAR, 1914-15.

- September 22nd. Matriculation examinations begin.
 September 28th. Registration of students. Halls of Residence open for
 students at three p. m.
 September 29th. Registration of students.
 Matriculation examinations end.
 September 30th. The work of the thirtieth academic year begins at
 a quarter to nine o'clock.

CORPORATION.

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President.

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Treasurer.

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FREDERIC H. STRAWBRIDGE.
ABRAM F. HUSTON.
ANNA RHOADS LADD.
ARTHUR HENRY THOMAS.

WILLIAM C. DENNIS.

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OFFICERS OF ADMINISTRATION.

ACADEMIC YEAR, 1912-13.

*President,*M. CAREY THOMAS, PH.D., LL.D.
Office: Taylor Hall.*Dean of the College,*MARION REILLY, A.B.
Office: Taylor Hall.*Recording Dean and Assistant to the President,*ISABEL MADDISON, B.Sc., PH.D.
Office: Taylor Hall.*Secretary,*

EDITH ORLADY, A.B. Office: Taylor Hall.

Recording Secretary,

ABIGAIL CAMP DIMON. Office: Taylor Hall.

Wardens of the Halls of Residence,

MARTHA GIBBONS THOMAS, A.B., Pembroke Hall.
 MABEL HARRIET NORTON, A.B., Denbigh Hall.
 EDITH BUELL WRIGHT, A.B., Merion Hall.
 KATHERINE EVERETT, PH.D., Rockefeller Hall.
 SUSANNE CAREY ALLINSON, A.B., Radnor Hall.
 ANNIE LOUISE MACLEOD, PH.D., Assistant Warden, Pembroke Hall.

Comptroller,

JAMES G. FORRESTER, M.A. Office: Taylor Hall.

Business Manager,

MARIA WILKINS SMITH, A.B. Office: Taylor Hall.

Junior Bursar,

MARGARET A. PROCTOR, B.A. Office: Rockefeller Hall.

Librarian,

MARY LETITIA JONES, B.L., B.L.S. Office: The Library.

Director of Athletics and Gymnastics,

CONSTANCE M. K. APPLEBEE. Office: The Gymnasium.

*Physician in Chief,*THOMAS F. BRANSON, M.D. Office hours, 8 to 9.30 and 2 to 3 daily,
Rosemont, Pa.*Assistant Physician,*

MARIANNA TAYLOR, M.D. Office hours, 2 to 3 daily except Monday,
 7 to 8 daily, St. David's, Pa.; Merion Hall, Bryn Mawr College,
 4 to 6 daily except Sunday.

*Examining Oculist,*HELEN MURPHY, M.D. Office hours, 2 to 4 daily, 1433 Spruce Street,
Philadelphia.

ACADEMIC APPOINTMENTS.

ACADEMIC YEAR, 1912-13.

M. CAREY THOMAS, PH.D., LL.D., *President of the College and Professor of English.*

A.B., Cornell University, 1877; studied at the Johns Hopkins University, 1877-78; University of Leipsic, 1879-82; Ph.D., University of Zürich, 1882; Sorbonne and Collège de France, 1883; Dean of the Faculty of Bryn Mawr College and Professor of English, 1885-94.

CHARLOTTE ANGAS SCOTT, D.Sc., *Alumnæ Professor of Mathematics.*

Lincoln, England. Graduate in Honours, Girton College, University of Cambridge, England, 1880; B.Sc., University of London, 1882; Lecturer on Mathematics in Girton College, 1880-84; lectured in connection with Newnham College, University of Cambridge, England, 1880-83; D.Sc., University of London, 1885.

GEORGE A. BARTON, PH.D., *Professor of Biblical Literature and Semitic Languages.*

A.B., Haverford College, 1882, and A.M., 1885; studied under the direction of the American Institute of Hebrew, 1885-86; Harvard University, 1888-91; Thayer Scholar, Harvard University, 1889-91; A.M., Harvard University, 1890; Ph.D., Harvard University, 1891; Director of the American School of Oriental Study and Research in Palestine, 1902-03.

JOSEPH W. WARREN*, M.D., *Associate Professor of Physiology.*

A.B., Harvard College, 1871; University of Berlin, 1871-72; University of Leipsic, 1872-73; University of Bonn, 1873-79; M.D., University of Bonn, 1880; Assistant and Instructor in Physiology, Harvard Medical School, 1881-91; Lecturer in Medical Department of the University of the City of New York, 1885-86; Lecturer in Physiology, University of Michigan, 1889.

FLORENCE BASCOM, PH.D., *Professor of Geology.*

A.B., University of Wisconsin, 1882, B.Sc., 1884, and A.M., 1887; Johns Hopkins University, 1891-93; Ph.D., Johns Hopkins University, 1893; Assistant in Geology and Instructor in Petrography, Ohio State University, 1893-95.

ISABEL MADDISON, B.Sc., PH.D., *Recording Dean and Assistant to the President.*

Reading, England. B.Sc., University of London, 1893; Ph.D., Bryn Mawr College, 1896, and B.A., Trinity College, Dublin, 1905; Girton College, University of Cambridge, England, 1889-92; Graduate in Honours, First Class, in the Cambridge Mathematical Tripos, 1892; Graduate in Honours, Final Mathematical Schools, University of Oxford, 1892; Graduate Student in Mathematics, Bryn Mawr College, 1892-93, and Fellow in Mathematics, 1893-94; Holder of the Mary E. Garrett European Fellowship, and Student in Mathematics, University of Göttingen, 1894-95.

WILMER CAVE WRIGHT, PH.D., *Associate Professor of Greek.*

Shrewsbury, England. Girton College, University of Cambridge, England, 1888-92; Graduate in Honours, Cambridge Classical Tripos, 1892; Ph.D., University of Chicago, 1895; Fellow in Greek, Bryn Mawr College, 1892-93; Fellow in Latin, University of Chicago, 1893-94, and Fellow in Greek, 1894-95; Reader in Greek and Latin, University of Chicago, 1895-96.

JAMES H. LEUBA, PH.D., *Professor of Psychology and Education.*

Neuchâtel, Switzerland. B.S., University of Neuchâtel, 1886; Ph.B., Ursinus College, 1888; Scholar in Psychology, Clark University, 1892-93; Fellow in Psychology, Clark University, 1893-95; Ph.D., Clark University, 1896.

FONGER DEHAAN, PH.D., *Professor of Spanish.*

Leeuwarden, Holland. Ph.D., Johns Hopkins University, 1895; Instructor in Modern Languages, Lehigh University, 1885-91; Fellow in Romance Languages, Johns Hopkins University, 1893-94, Assistant in Romance Languages, 1893-95, Instructor in Romance Languages, 1895-96, and Associate in Romance Languages, 1896-97.

* Granted leave of absence for the year 1912-13.

ALBERT SCHINZ, PH.D., *Professor of French Literature.*

Neuchâtel, Switzerland. A.B., University of Neuchâtel, 1888, and A.M., 1889. Licentiate in Theology, 1892; Student, University of Berlin, 1892-93; University of Tübingen, 1893; Ph.D., University of Tübingen, 1894; Sorbonne and Collège de France, 1894; Privatdocent, University of Neuchâtel, 1896-97; Instructor in French, Clark University, 1897-98; Instructor in French, University of Minnesota, 1898-99.

ARTHUR LESLIE WHEELER, PH.D., *Professor of Latin.*

A.B., Yale University, 1893; Scholar and Student in Classics, Yale College, 1893-96; Ph.D., Yale University, 1896; Instructor and Tutor in Latin, Yale College, 1894-1900.

HENRY NEVILL SANDERS, PH.D., *Professor of Greek.*

Edinburgh, Scotland. A.B., Trinity University, Toronto, 1894, and A.M., 1897; Ph.D., Johns Hopkins University, 1903; Fellow in Greek, Johns Hopkins University, 1897-98; Lecturer in Greek, McGill University, 1900-02.

WILLIAM BASHFORD HUFF, PH.D., *Professor of Physics.*

A.B., University of Wisconsin, 1889; A.M., University of Chicago, 1896; Ph.D., Johns Hopkins University, 1900; Lecture Assistant in Physics, Johns Hopkins University, 1899-1900, Assistant in Physics, 1900-01, and Instructor in Physics, 1901-02.

WILLIAM ROY SMITH, PH.D., *Associate Professor of History.*

A.B., University of Texas, 1897, and A.M., 1898; Ph.D., Columbia University, 1903; Acting Professor of History and Political Science, University of Colorado, 1900-01; Lecturer in History, Barnard College, 1901-02.

LUCY MARTIN DONNELLY, A.B., *Professor of English.*

A.B., Bryn Mawr College, 1893; University of Oxford, England, and University of Leipsic, 1893-94; Sorbonne and Collège de France, and University of Leipsic, 1894-95.

KARL DETLEV JESSEN, PH.D., *Professor of German Literature.*

Winnemark, Schleswig-Holstein, Germany. A.B., University of Chicago, 1896, and Fellow in German, 1897-98; Ph.D., University of Berlin, 1901; University of Chicago, 1895-98; University of Kiel, 1899; University of Berlin, 1898-1901; Acting Professor of Modern Languages, Eureka College, 1896; Instructor in German, Iowa State University, 1897; Instructor in German, Harvard University, 1901-03, and Lecturer on German Literature and Aesthetics, 1904.

TENNEY FRANK, PH.D., *Professor of Latin.*

A.B., University of Kansas, 1898, and A.M., 1899; Ph.D., University of Chicago, 1903; Fellow, University of Chicago, 1899-1901; Assistant and Associate in Latin, University of Chicago, 1901-04.

DAVID HILT TENNENT, PH.D., *Professor of Biology.*

S.B., Olivet College, 1900; Fellow, Johns Hopkins University, 1902-04; Bruce Fellow Johns Hopkins University, 1904; Ph.D., Johns Hopkins University, 1904.

CARLETON FAIRCHILD BROWN, PH.D., *Professor of English Philology.*

A.B., Carleton College, 1888; A.M., Harvard University, 1901, and Ph.D., 1903. Shattuck Scholar, Harvard University, 1901-03; Instructor in English, Harvard University, 1903-05.

JAMES BARNES, PH.D., *Associate Professor of Physics.*

Halifax, Nova Scotia. B.A., Dalhousie University, Honours in Mathematics and Physics, 1899, and M.A., 1900, Ph.D., Johns Hopkins University, 1904. Holder of 1851 Exhibition Science Research Scholarship, 1900-03; Fellow, Johns Hopkins University, 1903-04, and Assistant in Physics, 1904-06.

RICHARD THAYER HOLBROOK, PH.D., *Associate Professor of French Philology and Italian.*

A.B., Yale University, 1893; Ph.D., Columbia University, 1902. Sorbonne, Collège de France, Ecole des Chartes, 1893-94, 1895-96; Student in Italy and University of Berlin, 1894-95; Student in Spain, 1901; Tutor in the Romance Languages and Literatures, Yale University, 1896-1901, and Columbia University, 1902-06.

THEODORE DE LEO DE LAGUNA, PH.D., *Professor of Philosophy.*

A.B., University of California, 1896, and A.M., 1899; Ph.D., Cornell University, 1901. Teacher in the Government Schools of the Philippine Islands, 1901-04; Honorary Fellow and Assistant in Philosophy, Cornell University, 1904-05; Assistant Professor of the Philosophy of Education, University of Michigan, 1905-07.

MARION REILLY, A.B., *Dean of the College and Reader in Philosophy.*

A.B., Bryn Mawr College, 1901; Graduate Student, Bryn Mawr College, 1901-02, 1903, 1903-06; Newnham College, University of Cambridge, Spring, 1907; Universities of Rome and Sienna, 1911-12.

MARION PARRIS SMITH, Ph.D., *Associate Professor of Economics.*

A.B., Bryn Mawr College, 1901, and Ph.D., 1909. Graduate Student, Bryn Mawr College, 1902-05, Fellow in Economics and Politics, 1905-06; Bryn Mawr College Research Fellow and Student in Economics and Politics, University of Vienna, 1906-07.

FREDERICK HUTTON GETMAN*, Ph.D., *Associate in Chemistry.*

Ph.D., Johns Hopkins University, 1903. Rensselaer Polytechnic Institute, 1893-96; University of Virginia, 1896-97; Fellow in Chemistry, Johns Hopkins University, 1902-03, and Fellow by Courtesy, 1903-04; Carnegie Research Assistant in Physical Chemistry, 1903-04; Lecturer in Physical Chemistry, College of the City of New York, 1904-05, and Lecturer in Physics, Columbia University, 1907-08.

CLARENCE ERROL FERREE, Ph.D., *Associate Professor of Experimental Psychology and Director of the Psychological Laboratory.*

B.S., Ohio Wesleyan University, 1900, A.M., 1901, and M.S., 1902; Ph.D., Cornell University, 1909. Fellow in Psychology, Cornell University, 1902-03; Assistant in Psychology, Cornell University, 1903-07.

ORIE LATHAM HATCHER, Ph.D., *Associate Professor of Comparative Literature and Elizabethan Literature.*

A.B., Vassar College, 1888; Ph.D., University of Chicago, 1903. Graduate Student, University of Chicago, 1901-03, and Fellow in English, 1903-04.

ALFRED HORATIO UPHAM, Ph.D., *Associate Professor of English Literature.*

A.B., Miami University, 1897, and A.M., 1898; A.M., Harvard University, 1901; Ph.D., Columbia University, 1908. Instructor in Latin and Greek, Miami University, 1897-1900; Graduate Student, Harvard University, 1900-02; Professor of English, Agricultural College of Utah, 1902-05; Columbia University Fellow in Comparative Literature, 1905-06; Associate Professor of English, Miami University, 1906-08, and Professor of English and Head of the Department, 1908-10.

KATE GORDON, Ph.D., *Associate Professor of Education.*

Ph.B., University of Chicago, 1900 and Ph.D., 1903. Scholar in Pedagogy, University of Chicago, 1900-01, and Fellow in Philosophy, 1901-03; European Fellow of the Association of Collegiate Alumnae, 1903-04; Instructor in Ethics and Psychology, Mt. Holyoke College, 1904-05, and in Teachers' College, Columbia University, 1906-07; Substitute Professor of Philosophy, Mt. Holyoke College, Second Semester, 1911-12.

AGATHE LASCH, Ph.D., *Associate in Teutonic Philology.*

Berlin, Germany. Ph.D., University of Heidelberg, 1909. Student, University of Halle, 1906-07; University of Heidelberg, 1907-10. State Examination *pro facultate docendi*, Karlsruhe, 1910.

GRACE MEAD ANDRUS DE LAGUNA, Ph.D., *Associate in Philosophy.*

A.B., Cornell University, 1903, and Ph.D., 1906. Sage Scholar in Philosophy, Cornell University, 1903-05; Alice Freeman Palmer Fellow of Wellesley College, 1905-06; Reader in Philosophy, Bryn Mawr College, 1907-08.

CLARENCE HENRY HARING, A.B., B.LITT., *Associate in History.*

A.B., Harvard University, 1907; B.Litt., University of Oxford, 1909. Rhodes Scholar, University of Oxford, 1907-10; John Harvard Fellow of Harvard University, 1908-10; Austin Teaching Fellow in Harvard College, 1910-11; Bayard Cutting Travelling Fellow in History, Harvard University, and Student, University of Berlin, 1911-12.

JAMES FULTON FERGUSON, Ph.D., *Associate in Ancient History and Latin.*

A.B., Monmouth College, 1903; A.B., Yale University, 1906, A.M., 1907, and Ph.D., 1912. Fellow, Yale University, 1906-09; Instructor in Williams College, 1909-10; Instructor in Greek and Latin, Yale College, 1910-12.

LOUIS CONS, *Associate in French.*

Lyons, France. *Bachelier-ès-lettres*, Lyons University, 1896, and *Licencié-ès-lettres*, University of Paris, 1899. The Sorbonne, 1901-04; Certificat d'Etudes Scientifiques, University of Grenoble, 1902; Assistant in French, University of Berlin, 1906-08; French Tutor in the Royal Court of Prussia, 1906-08; Ecole des Hautes-Etudes, Paris, 1909-10. *Officier d'Académie*, 1905.

* Granted leave of absence for the year 1912-13.

THOMAS CLACHAR BROWN, PH.D., *Associate in Geology.*

A.B., Amherst College, 1904; A.M., Columbia University, 1905, and Ph.D., 1909. Assistant in Paleontology, Columbia University, 1905-07; Geologist to the Board of Water Supply of New York City, 1907-09; Assistant Professor of Geology, Middlebury College, 1909-11; Non-resident Lecturer in Geology, Norwich University, 1909; Assistant Professor of Geology, Pennsylvania State College, 1911-12.

JAMES RYALS CONNER, PH.D., *Associate in Mathematics.*

A.B., University of Georgia, 1898; Ph.D., Johns Hopkins University, 1909. Johns Hopkins University, 1906-12, Fellow, 1907-09; Carnegie Research Assistant, 1909-11; Johnston Scholar and Fellow by Courtesy, Johns Hopkins University, 1911-12.

ROGER FREDERIC BRUNEL, PH.D., *Associate in Chemistry.*

A.B., Colby University, 1903; Ph.D., Johns Hopkins University, 1906. Lecture Assistant in Chemistry, Johns Hopkins University, 1906-07; Instructor in Chemistry, Syracuse University, 1907-10, and Assistant Professor of Chemistry, 1910-12.

DON ROSCO JOSEPH, M.D., *Associate Professor of Physiology.*

B.S., University of Chicago, 1904; M.S., St. Louis University, 1906; M.D., St. Louis University, 1907. Assistant in Physiology, St. Louis University, 1904-07; Fellow, Rockefeller Institute for Medical Research, 1907-08, Assistant, 1908-10, and Associate, 1910-12.

SAMUEL ARTHUR KING, M.A., *Non-Resident Lecturer in English Diction.*

Tynemouth, England. M.A., University of London, 1900. Special Lecturer in Elocution, Johns Hopkins University, 1901; Special Lecturer in Elocution, University of California, 1902.

GEORGIANA GODDARD KING, A.M., *Lecturer in the History of Art and Comparative Literature.*

A.B., Bryn Mawr College, 1896, and A.M., 1897. Fellow in Philosophy, Bryn Mawr College, 1896-97, and Fellow in English, 1897-98. Collège de France, First Semester, 1898-99.

SYDNEY D. M. HUDSON, PH.B., *Lecturer in Political Science.*

Ph.B., University of Syracuse, 1907. President's University Scholar, Columbia University, 1909-10, and George William Curtis Fellow in Political Science, 1910-11.

FREDERICK ALDRICH CLEVELAND, A.B., *Lecturer in History.*

A.B., Cornell University, 1899. Assistant in Modern European History, Cornell University, 1908-09; President White Travelling Fellow and Student, Universities of Freiburg and Heidelberg, 1909-10; Harvard University, 1910-11.

DOROTHY LAMB, Lecturer in Classical Archæology.

Manchester, England. Newnham College, University of Cambridge, England, 1906-10. Graduate in Honours, Cambridge Classical Tripos, Part I, 1909, Part II, 1910. Special Scholar, British School of Archæology, Athens, 1910-11; Creighton Memorial Postgraduate Essay Prize, Newnham College, 1911.

ROLAND G. KENT, PH.D., *Non-resident Lecturer in Sanskrit.*

A.B., Swarthmore College, 1895, B.L., 1896 and A.M., 1898; Ph.D., University of Pennsylvania, 1903. Student, Universities of Berlin and Munich and the American School of Classical Studies at Athens, 1899-1902; University of Pennsylvania, Second Semester, 1902, Harrison Fellow in Classics, 1902-03, Harrison Research Fellow in Classics, 1903-04, Instructor in Greek and Latin, 1904-09, and Assistant Professor of Comparative Philology, 1909-13.

MATILDE CASTRO, PH.D., *Director of the Phebe Anna Thorne Model School.*

A.B., University of Chicago, 1900, and Ph.D., 1907. Fellow in Philosophy, University of Chicago, 1900-01, 1903-04, 1905-06. Principal of the Morris High School, Chicago, 1901-03; Instructor in Philosophy, Mt. Holyoke College, 1904-05; Instructor in Philosophy, Vassar College, 1906-09; Professor and Head of the Department of Philosophy, Rockford College, 1910-13.

HARRIET RANDOLPH, PH.D., *Demonstrator in Biology and Reader in Botany.*

A.B., Bryn Mawr College, 1889; Fellow in Biology, Bryn Mawr College, 1889-90; University of Zürich, 1890-92; Ph.D., University of Zürich, 1892.

REGINA KATHARINE CRANDALL, PH.D., *Reader in English.*

A.B., Smith College, 1890; Ph.D., University of Chicago, 1902. Graduate Student, University of Chicago, 1893-94, and Fellow in History, 1894-96; Assistant in History, Smith College, 1896-99; Instructor in History, Wellesley College, 1899-1900.

ABBY KIRK, A.B., *Reader in Elementary Greek.*

A.B., Bryn Mawr College, 1892. Reader in English, Bryn Mawr College, 1892-98.

MARY JEFFERS*, A.M., *Reader in Elementary German.*

A.B., Bryn Mawr College, 1895, and A.M., 1897. Graduate Student, Bryn Mawr College, 1895-98, 1903-04, 1906-07; Teacher of Latin in the Misses Shipley's School, Bryn Mawr, 1895-98; Student at the Universities of Munich and Halle, 1898-99; Teacher of Latin and History in the Girls' Latin School, Baltimore, Md., 1900-01; Head of the Latin Department in the Misses Shipley's School, Bryn Mawr, 1899-1907; Student, University of Bonn, Summer of 1905; Private Tutor, 1892-1912; Supervisor of College Preparatory Department, Brantwood Hall, Bronxville, Lawrence Park, N. Y., 1905-07; Lecturer on European Travel, Miss Wright's School, 1904-12 and Teacher of Latin, 1911-12.

EDNA ASTON SHEARER, A.B., *Reader in English.*

A.B., Bryn Mawr College, 1904; Junior Fellow in Philosophy, Bryn Mawr College, 1904-05; Holder of the President's Fellowship and Student, Universities of Edinburgh and Aberdeen, 1905-06; Fellow in Philosophy, Bryn Mawr College, 1906-07; Teacher of English in the Baldwin School, Bryn Mawr, Pa., 1907-09, and Graduate Student, Bryn Mawr College, 1907-08.

E. BEÁTRICE DAW, A.M., *Reader in English.*

A.B., Vassar College, 1909, and A.M., University of Pennsylvania, 1910.

MARY HAMILTON SWINDLER, A.M., *Reader in Latin and Demonstrator in Art and Archæology.*

A.B., University of Indiana, 1905, and A.M., 1906. Graduate Scholar in Greek, Bryn Mawr College, 1906-07, and Fellow in Greek, 1907-09; Mary E. Garrett European Fellow and Student, Universities of Berlin and Oxford and the American School of Classical Studies in Athens, 1909-10; Teacher in the Misses Shipley's School, Bryn Mawr, 1910-11 and in Miss Wright's School, Bryn Mawr, 1911-12.

HELEN ESTABROOK SANDISON, A.M., *Reader in English.*

A.B., Bryn Mawr College, 1906, and A.M., 1907. Graduate Scholar, Bryn Mawr College, 1906-07, 1910-11; Assistant Principal of the High School, Brookville, Ind., 1907-08; Fellow in English, Bryn Mawr College, 1908-09; Holder of Special European Fellowship, Bryn Mawr College, and Student, University of Oxford, 1909-10.

MARION DELIA CRANE, A.B., *Reader in English and Secretary to the Dean of the College.*

A.B., Bryn Mawr College, 1911. Secretary, the Bryn Mawr School, Baltimore, 1911-12.

MARIE HOPP, *Reader in Elementary French and French and German Oral Tutor.*

Holder of Brevet of the Ecole Supérieure, Paris. Senior Modern Language Mistress in the Girls' High School, Lincoln, England, 1904-11; Teacher of French in Ashley Hall, Charleston, S. C., 1911-12.

BERTHA SOPHIE EHLERS†, A.B., *Reader in Elementary German.*

A.B., Bryn Mawr College, 1909. Teacher of German in the Agnes Irwin School, Philadelphia, 1910-13.

IDA LANGDON, Ph.D., *Reader in English.*

A.B., Bryn Mawr College, 1903; A.M., Cornell University, 1910, and Ph.D., 1912. Cornell University, 1909-12.

MARIE GERTRUDE RAND, Ph.D., *Reader (elect) in Educational Psychology and Demonstrator (elect) in Experimental Psychology.*

A.B., Cornell University, 1908; Ph.D., Bryn Mawr College, 1913. Graduate Scholar in Psychology, Bryn Mawr College, 1908-09, 1911-12, Fellow in Philosophy, 1909-10, Fellow in Psychology, 1910-11 and Sarah Berliner Research Fellow, 1912-13.

EUNICE MORGAN SCHENCK, A.B., *Reader (elect) in French.*

A.B., Bryn Mawr College, 1907. Graduate Student, Bryn Mawr College, 1909, Graduate Scholar, 1909-10, and Fellow in Romance Languages, 1912-13. President's European Fellow and Student, the Sorbonne, Collège de France, University of Grenoble and in Madrid, 1910-12.

* Granted leave of absence for the year 1912-13.

† Appointed as substitute for Mary Jeffers, A.M.

MABEL KATHRYN FREHAFFER, A.M., *Demonstrator in Physics*.

A.B., Bryn Mawr College, 1908; A.M., University of Wisconsin, 1909. Graduate Student, University of Wisconsin, 1908-09; Fellow in Physics, Bryn Mawr College, 1909-10.

ANNIE LOUISE MACLEOD, PH.D., *Reader and Demonstrator in Chemistry and Assistant Warden of Pembroke Hall*.

A.B., McGill University, 1904, M.Sc., 1905, and Ph.D., 1910. Demonstrator in Chemistry, McGill University, 1905-08; Assistant in Chemistry, Barnard College, 1908-09; Fellow in Chemistry, Bryn Mawr College, 1909-10, and Research Fellow in Chemistry, 1910-12.

MARY MERRICK GOODWIN, A.M., *Quiz Assistant in Economics*.

A.B., Bryn Mawr College, 1909, and A.M., 1912. Susan B. Anthony Memorial Scholar in Political Theory, Bryn Mawr College, 1911-12.

HELEN STRONG HOYT, A.M., *Quiz Assistant in English*.

A.B., Bryn Mawr College, and George W. Childs Prize Essayist, 1897, A.M., 1898. Graduate Student, Bryn Mawr College, 1897-99, and Reader in English, 1898-1907; Teacher of English in Rosemary Hall, Greenwich, Conn., 1908-09.

JEANNETTE CONS, A.M., *Quiz Assistant in French and French Oral Tutor*.

A.B., Swarthmore College, 1907, and A.M., 1909.

MARY CATHERINE RYAN, A.B., *German Oral Tutor*.

A.B., Bryn Mawr College, 1909.

BERTHA A. LEUBA, *French Oral Tutor*.

Hearer, Bryn Mawr College, 1905-06, 1911-12.

EXECUTIVE STAFF.

EDITH ORLADY, A.B., *Secretary of the College*.

A.B., Bryn Mawr College, 1902. Warden of Pembroke Hall West, 1903-05, and Warden of Rockefeller Hall, 1905-06; Graduate Student, Bryn Mawr College, 1903-06, 1907-09; Recording Secretary, 1910-12.

ABIGAIL CAMP DIMON, A.M., *Recording Secretary*.

A.B., Bryn Mawr College, 1896, and A.M., 1899. Vice-Principal of the High School, Clinton, N. Y., 1896-97; Assistant Teacher of English in the Utica Academy, 1897-98; Graduate Student, Bryn Mawr College, 1898-99; Tutor, 1900-01; Graduate Student and Warden of Radnor Hall, Bryn Mawr College, 1901-04; Teacher of Science in the Balliol School, Utica, 1904-05, and of Science and Mathematics, 1905-08; Teacher in the New School, Utica, 1908-09; Demonstrator in Biology, Bryn Mawr College, 1911, and Reader in Biology, 1911-12.

MARTHA GIBBONS THOMAS, A.B., *Warden of Pembroke Hall*.

A.B., Bryn Mawr College, 1889.

MABEL HARRIET NORTON, A.B., *Warden of Denbigh Hall*.

A.B., Bryn Mawr College, 1902. Sorbonne, 1907-08; University of California, 1908-09. Teacher of Latin in Snell Seminary, Berkeley, Cal., 1908-11.

EDITH BUELL WRIGHT, A.B., *Warden of Merion Hall*.

A.B., Bryn Mawr College, 1900. Private Tutor, 1901-02, 1904-05.

KATHERINE EVERETT, PH.D., *Warden of Rockefeller Hall*.

A.B., Brown University, 1908, and A.M., 1910; Ph.D., Cornell University, 1912.

SUSANNE CAREY ALLINSON, A.B., *Warden of Radnor Hall*.

A.B., Bryn Mawr College, 1910.

JAMES G. FORRESTER, M.A., *Comptroller*.

M.A., University of Edinburgh, 1885. Law School of the University of Edinburgh, 1885-89; Solicitor at Law, 1889.

MARIA WILKINS SMITH, A.B., *Business Manager*.

A.B., Bryn Mawr College, 1906. Private Tutor and Principal of Class for Girls, Philadelphia, 1907-12.

MARGARET A. PROCTOR, A.B., *Junior Bursar.*

A.B., University of Toronto, 1906. Laboratory Assistant in Physiological Chemistry and Bacteriology, University of Toronto, 1906-08; Dietitian, Department of Public Charities, New York City, 1908-09; Assistant Manager, Whittier Hall Dining Rooms, Barnard College, 1909-10.

MARY LETITIA JONES, B.L., B.L.S., *Librarian.*

B.L., University of Nebraska, 1885; B.L.S., New York State Library School, 1892. Acting Librarian and Adjunct Professor of Bibliography, University of Nebraska, 1892-97; Librarian and Assistant Professor of Library Economy, University of Illinois, 1897; Classifier, Iowa State University, 1898; Second Assistant Librarian, Los Angeles Public Library, 1898-99, and Librarian, 1900-05.

CONSTANCE M. K. APPLEBEE, *Director of Athletics and Gymnastics.*

Licentiate, British College of Physical Education, 1898, and Member, 1899. Gymnasium Mistress, Girls' Grammar School, Bradford, Yorkshire, 1899-1900; in the Arnold Foster High School, Burnley, Yorkshire, 1899-1901; in the High School, Halifax, Yorkshire, 1900-01; Head of Private Gymnasium, Ilkley, Yorkshire, 1899-1901; Harvard School of Physical Training, Summer, 1901; Hockey Coach, Vassar College, Wellesley College, Radcliffe College, Mt. Holyoke College, Smith College, Bryn Mawr College, Boston Normal School of Gymnastics, 1901-04; Hockey Coach, Harvard Summer School of Gymnastics, 1906.

ELIZABETH LAWRENCE GRAY, *Assistant Director of Athletics and Gymnastics.*

Graduate, Sargent Normal School of Physical Education, Boston, Mass., 1908. Student, Gilbert Summer Normal School of Classic Dancing, 1908; Instructor in Gymnastics, Playgrounds, Cambridge, Mass., Summer, 1908, 1909.

HELEN COREY GEDDES, A.B., B.S., *Head Cataloguer.*

A.B., Radcliffe College, 1905; B.S., Simmons College, 1910. Library Assistant, University of Illinois, 1910-12.

BESSIE HOMER JENNINGS, *Assistant Cataloguer.*

Graduate, Drexel Institute Library School, 1900.

MARY WARREN TAYLOR, *Secretary to the Department of Athletics and Gymnastics and Recording Secretary to the Health Department.***GENEVIEVE ESTELLE POTTER, *Assistant in the Comptroller's Office.*****MABEL GRAY THOMAS, *Assistant in the Comptroller's Office.*****MARIAN PRICE, A.B., *Library Assistant.*****SARAH WOOSTER ENO, A.B., *Library Assistant.***

A.B., University of Illinois, 1908. Cataloguer, Library of the University of Pennsylvania, 1909-10; Librarian, Stetson University, 1910-12.

HELEN ROTHROCK SHOEMAKER, A.B., *Library Assistant.*

A.B., Vassar College, 1910. Drexel Institute Library School, 1911-12.

THOMAS F. BRANSON, M.D., *Physician in Chief.*

A.B., Haverford College, 1889; M.D., University of Pennsylvania, 1892. Attending Physician, Bryn Mawr Hospital.

MARIANNA TAYLOR, M.D., *Assistant Physician.*

A.B., Bryn Mawr College, 1903, and M.D., Woman's Medical College of Pennsylvania, 1908. Resident Physician, Woman's Hospital, Philadelphia, 1908-09, and Clinical Instructor, 1910-11; Practicing Physician, St. David's, Pa., 1910-13.

HELEN MURPHY, M.D., *Examining Oculist.*

M.D., Woman's Medical College of Pennsylvania, 1893; Assistant Demonstrator in Histology, Woman's Medical College of Pennsylvania, 1894-96; Instructor in Materia Medica, 1896-1902; Instructor in Diseases of the Eye, Philadelphia Polyclinic and College for Graduates in Medicine, 1895-97.

The following physicians have consented to serve as consultants in special cases:

ELLA B. EVERITT, M.D., 1807 Spruce Street, Philadelphia, *Consultant Gynecologist*.

THOMAS McCRAE, M.D., F.R.C.P., 1627 Spruce Street, Philadelphia, *Consultant Physician*.

GEORGE DE SCHWEINITZ, M.D., 1705 Walnut Street, Philadelphia, *Consultant Oculist*.

ROBERT G. LE CONTE, M.D., 1625 Spruce Street, Philadelphia, *Consultant Surgeon*.

FRANCIS R. PACKARD, M.D., 304 South 19th Street, Philadelphia, *Consultant Aurist and Laryngologist*.

JAMES K. YOUNG, M.D., 222 South 16th Street, Philadelphia, *Consultant Orthopædist*.

The Academic Committee of the Alumnae.

SUSAN FOWLER, A.B. (*ex-officio*), 420 West 118th Street, NEW YORK CITY.

KATHARINE LORD, A.B., PLYMOUTH, MASS.

MARY DELIA HOPKINS, A.M., Clinton, N. Y.

FRANCES AMELIA FINCKE, A.B. (Mrs. Learned Hand), 142 East 65th Street, NEW YORK CITY.

SUSAN BRALEY FRANKLIN, PH.D., 33 Central Park West, NEW YORK CITY.

GERTRUDE HARTMAN, A.B., 15 Centre Street, Brookline, Mass.

PAULINE DOROTHEA GOLDMARK, A.B., 270 West 94th Street, NEW YORK CITY.

ANNA BELL LAWTHER, A.B., 239 Seventeenth Street, DUBUQUE, IOWA.

STUDENTS.

Fellows and Graduate Students, Academic Year, 1912-13.

- NORA CAM,.....*Bryn Mawr European Fellow.*
Bishop's Stortford, England. Prepared by private tuition. Holder of Maria Hopper Scholarship, 1909-11. Holder of Maria L. Eastman Brooke Hall Memorial Scholarship, 1911-12. A.B., Bryn Mawr College, 1912.
- FRANCES ALLEN FOSTER,.....*Mary E. Garrett European Fellow.*
Providence, R. I. A.B., Brown University, 1909. Scholar in English, Bryn Mawr College, 1909-11, and Fellow in English, 1911-12. Studying in the British Museum, 1912-13.
- VERNETTE LOIS GIBBONS,.....*President's European Fellow.*
Upton, Mass. Sc.B., Mt. Holyoke College, 1896, and A.B., 1899; M.Sc., University of Chicago, 1907; M.Sc., University of the Cape of Good Hope, 1908. Teacher in the High School, Bernardstown, Mass., 1896-97; Assistant in Chemistry, Mt. Holyoke College, 1897-99, and Instructor in Chemistry, 1899-1901; Instructor in Chemistry and Mineralogy, Wells College, 1902-04, and Associate Professor of Chemistry, 1905-06; Lecturer and Head of Department of Chemistry, Huguenot College, Wellington, South Africa, 1907-11, and on leave of absence, 1911-12; Fellow in Chemistry, Bryn Mawr College, 1911-12; Student, University of Munich, 1912-13.
- ANGELA CHARLOTTE DARKOW,.....*Fellow in Greek.*
Philadelphia. A.B., Bryn Mawr College, 1911. Graduate Scholar in Greek, Bryn Mawr College, 1911-12.
- ELEANOR SHIPLEY DUCKETT,.....*Fellow in Latin.*
Frome, Somerset, England. B.A., University of London, 1902, and M.A., 1904. Girton College, University of Cambridge, England, 1908-11; Classical Tripos, Part I, 1911. Classical Mistress in the High School, Sutton, Surrey, 1905-07; British Graduate Scholar, Bryn Mawr College, 1911-12.
- IRIS GALLANT CALDERHEAD,.....*Fellow in English.*
Marysville, Kan. A.B., Kansas University, 1910. Graduate Scholar in English, Bryn Mawr College, 1910-11; Teacher in the High School, Dayton, Wash., 1911-12.
- ADAH BLANCHE ROE,.....*Fellow in German.*
Omaha, Neb. A.B., Woman's College of Baltimore, 1909. Scholar in German, Bryn Mawr College, 1909-11; Ottendorfer Memorial Research Fellow in Teutonic Philology, and Student, University of Berlin, 1911-12.
- EUNICE MORGAN SCHENCK,.....*Fellow in Romance Languages.*
Philadelphia. A.B., Bryn Mawr College, 1907. Graduate Student, Bryn Mawr College, 1908-09, and Graduate Scholar in French, 1909-10; Student, University of Paris and in Madrid, 1910-12.
- LOUISE PETTIBONE SMITH,.....*Fellow in Semitic Languages.*
Winchester Centre, Conn. A.B., Bryn Mawr College, 1908. Instructor in Hardin College, Mexico, Mo., 1908-11. Graduate Scholar in Semitic Languages, Bryn Mawr College, 1911-12.
- MARY ALICE HANNA,.....*Fellow in History.*
Trenton, Mo. A.B., University of Missouri, 1909, and B.S., 1911. Teacher in the High School, Vandalia, Mo., 1909-11; Graduate Student, Bryn Mawr College, 1911-12.
- LORINDA PERRY,.....*Fellow in Economics and Politics.*
Melvin, Ill. A.B., University of Illinois, 1909, and A.M., 1910. Radcliffe Fellow, Women's Educational and Industrial Union, Boston, Mass., 1910-11; Fellow in Economics and Politics, Bryn Mawr College, 1911-12.
- ANGIE LILLIAN KELLOGG,.....*Fellow in Philosophy.*
Watertown, N. Y. A.B., Vassar College, 1903, and A.M., 1904. Teacher in the High School, Schenectady, N. Y., 1904-10, and in the High School, Hasbrouck Heights, N. J., March to June, 1911; Fellow in Philosophy, Bryn Mawr College, 1911-12.
- CAROLINE MILLARD MORTON,.....*Fellow in Classical Archaeology.*
Providence, R. I. A.B., Brown University, 1910, and A.M., 1911. Graduate Scholar in Greek, Bryn Mawr College, 1911-12.

- GOLDIE PRINTIS HORTON**,.....*Fellow in Mathematics.*
 Quanah, Tex. A.B., University of Texas, 1908; A.M., Smith College, 1910. Head of Department of Mathematics, Grandview, Texas, 1908-09; Fellow in Mathematics, Smith College, 1909-10; Head of Department of Mathematics in the High School, Amarillo, Tex., 1910-12.
- LAURA HATCH**,.....*Fellow in Geology.*
 Chicago, Ill. A.B., Vassar College, 1906; M.Sc., University of Chicago, 1911. Teacher in the University School for Girls, Chicago, 1906-07; in the High School, Aurora, Ill., 1907-10; Assistant in the Laboratory, University of Chicago, 1910-11. Instructor in Geology, Wellesley College, 1911-12.
- RUTH GLADYS SPRAY**,.....*Fellow in Biology.*
 Lawrence, Kans. A.B., Kansas State University, 1911. Graduate Scholar in Biology, Bryn Mawr College, 1911-12.
- MARIE GERTRUDE RAND**,.....*Sarah Berliner Research Fellow.*
 Brooklyn, New York City. A.B., Cornell University, 1908. Graduate Scholar in Psychology, Bryn Mawr College, 1908-09, 1911-12, Fellow in Philosophy, 1909-10, and Fellow in Psychology, 1910-11.
- AGNES BORTHWICK**,.....*British Graduate Scholar.*
 Greenock, Scotland. M.A., Glasgow University, 1910. Graduate Student, Glasgow University 1910-12; Honours in English, 1912.
- ELIZABETH MARY EDWARDS**,.....*British Graduate Scholar.*
 Liverpool, England. A.B., University of Liverpool with Honours in Economics, 1910; M.A. and Diploma in Education, 1912. Student, University of Berlin, 1910-12; Assistant in the Potsdam Höheren Mädchenschule, 1910-11, and in the Chamissochule, Berlin, 1911-12.
- AGNES MURRAY MACFADZEAN**,.....*British Graduate Scholar.*
 Glasgow, Scotland. B.A., University of Glasgow, 1910, and M.A., 1911. Student, University of Göttingen, 1910-11; Teacher of English, Villa Hallinick, Wiesbaden, Germany, 1911-12.
- MARJORY RACKSTRAW**,.....*British Graduate Scholar.*
 London, England. A.B., Birmingham University, 1912. Student, The Sorbonne, 1908-09.
- MARTHA BÄLZ**,.....*German Graduate Scholar.*
 Stuttgart, Germany. Ph.D., University of Berlin, 1909. Student, University of Munich, 1903-04, University of Freiburg, 1904, University of Berlin, 1904-10. Teacher in the Lyceum for Girls, Berlin, 1910-12.
- SUSANNE CHARLOTTE ENGELMANN**,.....*German Graduate Scholar.*
 Berlin, Germany. Ph.D., University of Heidelberg, 1909. Student, University of Berlin, 1905-08, 1909, University of Heidelberg, Summer Semester, 1907, Winter Semester, 1909. Teacher in Oberlyceum for Girls, Berlin, 1910-12.
- MARINA EWALD**,.....*German Graduate Scholar.*
 Berlin, Germany. University of Berlin, Winter Semester, 1909, 1910-12; University of St. Andrews, 1909-10.
- ERNA MATHILDE HACKENBERG**,.....*German Graduate Scholar.*
 Barmen, Germany. University of Tübingen, Summer Semester, 1912. Teacher in the Seminar Practice School, 1909-10.
- FRANZISKA VOGEL**,.....*German Graduate Scholar.*
 Münster in Weimar, Germany. University of Münster, Winter Semester, 1911-12.
- ADELHEID CHRISTINE CASPAR**,.....*German Graduate Scholar.*
 Magdeburg, Germany. University of Marburg, 1909-10; University of Greifswald, 1910-11; University of Berlin, 1911-12. Teacher in the Höhere Privatschule, Ilsenburg, 1904-07.
- SUSANNE CAREY ALLINSON**,.....*Art and Archaeology, French and History.*
 Providence, R. I. A.B., Bryn Mawr College, 1910.
- JANE BEARDWOOD**,.....*History.*
 Philadelphia. A.B., Bryn Mawr College, 1912.

SADIE BELIEKOWSKY,.....*Graduate Scholar in Latin.*
Philadelphia. A.B., Bryn Mawr College, 1912.

MARION ALMIRA BILLS,.....*Graduate Scholar in Psychology.*
Allegan, Mich. A.B., University of Michigan, 1908. Teacher in the Public School, Allegan, 1909-11; Graduate Scholar in Psychology, Bryn Mawr College, 1911-12.

BELLE DOUGLASS BOYSEN, *Susan B. Anthony Scholar in Political Theory.*
Knoxboro, N. Y. Ph.B., Syracuse University, 1911. Teacher in the Knoxboro Union School, 1904-05.

VIVIAN HONORA BRESNEHEN,.....*Graduate Scholar in English.*
Brookfield, Mo. A.B., University of Missouri, 1910, and A.M., 1911.

MARGARET BUCHANAN,.....*Graduate Scholar in Mathematics.*
Morgantown, W. Va. A.B., University of Virginia, 1906. Graduate Student, University of W. Virginia, 1907; Teacher of Mathematics in Marshall College, Huntington, W. Va., 1906-07; Assistant in Greek and Mathematics, West Virginia University, 1908-09, and Instructor in Mathematics, 1909-12.

ALICE HILL BYRNE,.....*Greek.*
Lancaster, Pa. A.B., Wellesley College, 1908. Teacher of Latin and Greek in the Union High School, Coleraine, Pa., 1894-96, and Principal, 1899-1900; in Mrs. Blackwood's School, Lancaster, 1896-99, and 1900-01; Associate Principal and Teacher of Latin and Greek in Miss Stahr's School, Lancaster, 1901-05; Principal of the Shippen School, Lancaster, 1905-09; Teacher of Latin and Greek in Miss Hills's School, Philadelphia, 1909-11; Graduate Student, Bryn Mawr College, 1908-10, and Graduate Scholar in Greek, 1910-11; Teacher of Latin and Greek in the Baldwin School, Bryn Mawr, 1911-12, and in charge of the Lower School, 1912-13.

GERTRUDE HILDRETH CAMPBELL,.....*Graduate Scholar in English.*
Providence, R. I. A.B., Brown University, 1911, and A.M., 1912. Tutor in English, Brown University, 1912.

MARION DELIA CRANE,.....*Philosophy.*
Providence, R. I. A.B., Bryn Mawr College, 1911. Secretary in the Bryn Mawr School, Baltimore, Md., 1911-12; Reader in English and Secretary to the Dean of the College, Bryn Mawr College, 1912-13.

THYRA CRAWFORD,.....*Teutonic Philology.*
Excelsior, Minn. A.B., Goucher College, 1903; A.M., University of Minnesota, 1910. Graduate Student, University of Minnesota, 1908-10. Teacher in the High School, Ada, Minn., 1903-04; Principal of the High School, Excelsior, Minn., 1904-11; Fellow in German, Bryn Mawr College, Semester I, 1911-12.

LOUISE D. CUMMINGS,.....*Mathematics.*
Poughkeepsie, N. Y. A.B., University of Toronto, 1895, and A.M., 1902. Fellow, University of Pennsylvania, 1896-97; Examiner in Mathematics, University of Toronto, 1897; Graduate Student, University of Chicago, 1897-98; Fellow in Mathematics, Bryn Mawr College, 1898-99 and Fellow by Courtesy in Mathematics, 1900; Instructor in Mathematics, St. Margaret's College, Toronto, Ont., 1901-02; Instructor in Mathematics, Vassar College, 1902-13; Graduate Scholar, Bryn Mawr College, First Semester, 1905-06.

IDA LELA DE LONG,.....*Earlham College Scholar.*
Hudson Falls, N. Y. A.B., Earlham College, 1912. Teacher in Public Schools, Washington County, N. Y., 1907-08.

JUNE CHRISTINA EDDINGFIELD,.....*Graduate Scholar in German.*
Mace, Ind. A.B., University of Indiana, 1906. Student, University of Indiana, Summer Semesters, 1908, 1910, 1911, 1912. Assistant Principal of the High School, Swayzee, Ind., 1906-08; Head of German Department in the High School, Elwood, Ind., 1908-12.

SARA WOOSTER ENO,.....*History and Comparative Literature.*
Charlotte, Vt. A.B., University of Illinois, 1908. Cataloguer, Library of the University of Pennsylvania, 1909-10; Librarian, Stetson University, 1910-12.

JEAN COSSAR EWART,.....*Graduate Scholar in Mathematics.*
Ottawa, Canada. B.A., University of Toronto, 1912.

ELIZABETH BETTERTON FORMAN,.....*Graduate Foundation Scholar.*
Haverford, Pa. A.B., Bryn Mawr College, 1902. Tutor in the Bryn Mawr School, Baltimore, 1902-03; Graduate Student, Bryn Mawr College, 1907-08, 1911-12.

- JEAN FRASER,.....*English, History and History of Art.*
Grafton, N. Dak. A.B., University of North Dakota, 1910. Teacher in the High School,
Hatton, N. Dak., 1910-11.
- MABEL KATHRYN FREHAFFER,.....*Chemistry.*
Philadelphia. A.B., Bryn Mawr College, 1908; A.M., University of Wisconsin, 1909.
Graduate Student in Physics, University of Wisconsin, 1908-09; Fellow in Physics,
Bryn Mawr College, 1909-10, and Demonstrator and Graduate Student in Physics,
1910-13.
- HELEN COREY GEDDES,.....*History.*
Allston, Mass. A.B., Radcliffe College, 1905; B.S., Simmons College, 1910. Library
Assistant, University of Illinois, 1910-12.
- MARGARET GILLILAND,.....*Latin and English.*
Gettysburg, Pa. A.B., Pennsylvania College, 1912.
- MARY AGNES GLEIM,.....*Graduate Scholar in Latin.*
Pittsburgh, Pa. A.B., Bryn Mawr College, 1897. Teacher in the Baldwin School, Bryn
Mawr, Pa., 1892-97; in the Gordon School, Philadelphia, 1897-1902; Principal of Miss
Gleim's School, Pittsburgh, 1902-09, and of the Thurston Gleim School, Pittsburgh,
1909-12.
- MARY MERRICK GOODWIN,.....*History and Economics and Politics.*
Philadelphia. A.B., Bryn Mawr College, 1909. Teacher in the Preparatory School for
Boys and Girls, Bryn Mawr, 1910-11. Susan B. Anthony Memorial Scholar in Political
Theory, 1911-12. Quiz Assistant in Economics, Bryn Mawr College, 1912-13.
- ETTALENE MEARS GRICE,.....*Graduate Scholar in Biblical Literature.*
Portsmouth, O. A.B., Western College for Women, 1908. Teacher in the Public Schools,
Portsmouth, 1910-12.
- RUTH ALLINE GUY,.....*Graduate Scholar in Biology.*
New York City. A.B., Barnard College, 1912.
- CHRISTINE POTTS HAMMER,.....*English.*
Pottstown, Pa. A.B., Bryn Mawr College, 1912. Private Secretary, 1912-13.
- MARY GERTRUDE HASEMAN,.....*Graduate Scholar in Mathematics.*
Linton, Ind. A.B., University of Indiana, 1910. Professor of Mathematics in Vincennes
University, 1910-11. Graduate Scholar in Mathematics, Bryn Mawr College, 1911-12.
- IDA MARY HOOD,.....*English, History, Physics and Chemistry.*
Sioux City, Ia. A.B., Belmont College, 1912.
- MARIE HOPP,.....*French.*
Brussels, Belgium. Brevet Supérieur, Paris, 1898. Cours de l'Hotel de Ville, Paris, 1896-
99; Cours Bayette, Paris, 1897-99. Teacher of French in St. Stephen's High School,
Windsor, England, 1899-1902; in the Girls' High School, Lincoln, England, 1904-11,
and in Ashley Hall, Charleston, S. C., 1911-12.
- EMILY ELIZABETH HOWSON,.....*Graduate Scholar in Physics.*
Philadelphia. A.B., Bryn Mawr College, 1910. Graduate Student, Bryn Mawr College,
1910-11, and Graduate Scholar in Physics, 1911-12.
- MARGARET HUDSON,.....*French.*
Philadelphia. A.B., Bryn Mawr College, 1909. Head of Department of French, New
Jersey State Normal School, 1910-13.
- ROSE VALERE JOHNSON,.....*Penn College Scholar.*
Oskaloosa, Ia. A.B., Penn College, 1912.
- HELEN MAXWELL KING,.....*Graduate Scholar in Romance Languages.*
Olivet, Mich. A.B., Olivet College, 1907, and A.M., 1908. Graduate Student, Bryn
Mawr College, 1908-09, and Fellow in Romance Languages, 1909-10. Private Secretary
to the United States Minister to Siam, 1910-12.
- DOROTHY LAMB,.....*Italian.*
Manchester, England. Newnham College, University of Cambridge, England, 1906-10;
Graduate in Honours, Cambridge Classical Tripos, Part I, 1909, Part II, 1910. Special
Scholar, British School of Archæology, Athens, 1910-11; Lecturer in Classical Archæ-
ology, Bryn Mawr College, 1912-13.

- KATHERINE CAVENAGH LONGWELL, *Graduate Scholar in Latin.*
Pittsburgh, Pa. A.B., Bryn Mawr College, 1912.
- CASSIE CORINA MENDENHALL, *Guilford College Scholar.*
High Point, N. C. A.B., Guilford College, 1912.
- ELIZABETH HUGHES NEWTON, . . . *Graduate Scholar in Romance Languages.*
Hamilton, Canada. B.A., University of Toronto, 1911, and M.A., 1912.
- MABEL HARRIET NORTON, *French, History and History of Art.*
Pasadena, Cal. A.B., Bryn Mawr College, 1902. Student, The Sorbonne, 1907-08.
Teacher of Latin in Snell Seminary, Berkeley, Cal., 1908-11, and Student, University
of California, 1908-09. Warden of Denbigh Hall, and Graduate Student, Bryn Mawr
College, 1911-13.
- MARION EDWARDS PARK, *Latin.*
Oberlin, O. A.B., Bryn Mawr College, 1898, and A.M., 1899. Bryn Mawr European
Fellow, and Graduate Student, Bryn Mawr College, 1898-99; Autumn Quarter, University
of Chicago, 1900-01; American School of Classical Studies, Athens, Greece, 1901-
02; Instructor in Classics, Colorado College, 1902-03, 1904-06, and Acting Dean of
Women, 1903-04; Teacher of English in Miss Wheeler's School, Providence, R. I.,
1906-07, and of Classics, 1907-09; Acting Dean of Bryn Mawr College, 1911-12.
- HELEN HUSS PARKHURST, *Graduate Scholar in Philosophy.*
Englewood, N. J. A.B., Bryn Mawr College, 1911. Teacher in the Dwight School,
Englewood, 1911-12.
- VERA LILLIAN PARSONS, *Graduate Scholar in English.*
Toronto, Canada. B.A., University of Toronto, 1911, and M.A., 1912.
- HARRIET RANDOLPH, *Spanish.*
Bryn Mawr, Pa. A.B., Bryn Mawr College, 1889; Fellow in Biology, Bryn Mawr College,
1889-90; University of Zürich, 1890-92; Ph.D., University of Zürich, 1892. Demon-
strator in Biology and Reader in Botany, Bryn Mawr College, 1892-1913.
- BLANCH RIBLE, *Graduate Scholar in Greek.*
Sacramento, Cal. A.B., Leland Stanford, Jr., University, 1910, and A.M., 1911. Assistant
in Greek, Leland Stanford, Jr., University, 1910-12.
- ELLA RIEGEL, *Spanish.*
Wilmington, Del. A.B., Bryn Mawr College, 1889. Graduate Student, Second Semester,
1911-12.
- LORLE IDA STECHER, *Graduate Scholar in Psychology.*
Philadelphia. A.B., Bryn Mawr College, 1912.
- HELEN REBECCA STEWARD, *English, History, Philosophy and History of Art.*
Carlinville, Ill. A.B., Blackburn College, 1908. Teacher in Blackburn Academy, 1911-12.
- DOROTHY ROWLAND SWIFT, *Graduate Scholar in Philosophy.*
Fall River, Mass. A.B., Oberlin College, 1912.
- MARY HAMILTON SWINDLER, *Italian.*
Connersville, Ind. A.B., University of Indiana, 1905, and A.M., 1906. Graduate Scholar
in Greek, Bryn Mawr College, 1906-07, and Fellow in Greek, 1907-09; Mary E. Garrett
European Fellow and Student, Universities of Berlin and Oxford and the American
School of Classical Studies in Athens, 1909-10; Teacher in the Misses Shipley's School,
Bryn Mawr, 1910-11; Reader in Latin, Bryn Mawr College, and Teacher of Latin in
Miss Wright's School, Bryn Mawr, 1911-12; Reader in Latin and Demonstrator in
Art and Archaeology, Bryn Mawr College, 1912-13.
- CONSTANCE MIRIAM SYFORD, *Graduate Scholar in English.*
Lincoln, Neb. A.B., Nebraska State University, 1909, and A.M., 1911. Assistant and
Reader to the Dean, Nebraska State University, 1909-11; Graduate Scholar in English,
Bryn Mawr College, 1911-12.
- MARGUERITE THIEBAUD, *English and History of Art.*
Connersville, Ind. A.B., Earlham College, 1912.

- MIRIAM THOMAS,.....*English*.
 Haverford, Pa. A.B., Bryn Mawr College, 1902, and A.M., 1903. Holder of the Graduate Foundation Scholarship, Bryn Mawr College, and Graduate Student, 1902-03; Assistant in Latin in Miss Florence Baldwin's School, Bryn Mawr, 1903-06.
- MARJORIE LA MONTE THOMPSON,.....*English*.
 Philadelphia. A.B., Bryn Mawr College, 1912. Volunteer Social Worker, 1912-13.
- HOPE FERN TONGATE,.....*Graduate Scholar in Greek*.
 Carlinville, Ill. A.B., Blackburn College, 1908. Teacher in Blackburn Academy and College, 1908-12.
- EDITH BUELL WRIGHT,.....*History and French*.
 Detroit, Mich. A.B., Bryn Mawr College, 1900. Private Tutor, 1901-02, 1904-05; Warden of Merion Hall and Graduate Student, Bryn Mawr College, 1911-13.

Former Holders of European Fellowships.

- BALCH, EMILY GREENE,.....Prince Street, Jamaica Plain, Mass.
 Holder of the Bryn Mawr European Fellowship, 1889-90. A.B., Bryn Mawr College, 1889, group, Greek and Latin. Student in Political Science, Conservatoire des Arts et des Métiers, Paris, and under the direction of Professor Emile Levasseur, 1890-91; University of Chicago, 1895; University of Berlin, 1895-96; Member of Board of Trustees for Children of the City of Boston, 1897-98; Assistant in Economics, Wellesley College, 1896-97. Instructor in Economics, 1897-1903, Associate Professor of Economics and Sociology, 1903-12, and Acting Head of the Department, 1907-13.
- BECKER, AMANDA FREDERICKA,.....814 Clara Avenue, St. Louis, Mo.
 Holder of the President's European Fellowship, 1903-04. B.Sc., Missouri State University, 1901, and A.M., 1902. Holder of Teaching Fellowship, Missouri State University, 1901-02; Graduate Scholar, Bryn Mawr College, 1902-03; Student, University of Göttingen, 1903-04; Teacher of Mathematics in the Yeatman High School, St. Louis, 1904-08, and in the Soldan High School, St. Louis, 1909-11.
 Married, 1911, *Mr. William Hardy Montague*.
- BILLMEYER, HELEN MAY,.....250 Midland Avenue, Montclair, N. J.
 Holder of the Bryn Mawr European Fellowship, 1902-03. A.B., Bryn Mawr College, 1902, group, History and Political Science; University of Berlin, 1903-04; Private Tutor, 1910-11; Teacher in the Baldwin School, Bryn Mawr, 1911-13.
- BLEY, HELEN MÜLLER,.....Narberth, Pa.
 Holder of the Bryn Mawr European Fellowship, 1910-11. A.B., Bryn Mawr College, 1910, group, Greek and Latin. Student, University of Munich, 1910-12; University of Athens, 1912-13.
- BONTECOU, MARGARET,.....150 Highland Avenue, Orange, N. J.
 Holder of the Bryn Mawr European Fellowship, 1909-10. A.B., Bryn Mawr College, 1909, group, History and Economics and Politics. Student, Universities of Munich and Oxford, 1910-11; Private Tutor and Settlement Worker, 1911-13.
- BORING, ALICE MIDDLETON,.....University Inn, Orono, Me.
 Holder of the Mary E. Garrett European Fellowship, 1907-08. A.B., Bryn Mawr College, 1904, group, Chemistry and Biology, A.M., 1905, and Ph.D., 1910, subjects, Zoology and Physiology. Graduate Scholar in Biology, and Assistant in the Biological Laboratory, Bryn Mawr College, 1904-05; Moore Fellow in Zoology, University of Pennsylvania, 1905-06; Fellow in Biology, Bryn Mawr College, 1906-07; Instructor in Zoology, Vassar College, 1907-08; Student, University of Würzburg, and Zoological Station, Naples, 1908-09; Instructor in Zoology, University of Maine, 1909-11, and Assistant Professor, 1911-13.
- BOURLAND, CAROLINE BROWN,10 West Street, Northampton, Mass.
 Holder of the Mary E. Garrett European Fellowship, 1900-01. A.B., Smith College, 1893; Ph.D., Bryn Mawr College, 1905, subjects, Spanish, Old French, and Italian. Teacher of French and German in Mrs. Starrett's School, Oak Park, Ill., 1895-96, and in the High School, Peoria, 1896-97; Student, Sorbonne and Collège de France, 1897-98; Fellow in Romance Languages, Bryn Mawr College, 1898-99; Graduate Scholar

and Fellow by Courtesy in Romance Languages, Bryn Mawr College, 1899-1900, 1901-02; Student in Romance Languages, Madrid, Spain, 1900-01; Instructor in Spanish and French, Smith College, 1902-06, and Associate Professor, 1906-13.

BREED, MARY BIDWELL, St. Timothy's School, Catonsville, Md.

Holder of the Bryn Mawr European Fellowship, 1894-95. A.B., Bryn Mawr College, 1894, group, Chemistry and Biology, A.M., 1895, and Ph.D., 1901, subjects, Chemistry and Mathematics. Graduate Student and Assistant in the Chemical Laboratory, Bryn Mawr College, 1894-95; Student in Chemistry, University of Heidelberg, 1895-96; Professor of Science, Pennsylvania College for Women, 1897-99; Fellow by Courtesy and Graduate Scholar in Mathematics, Physics, and Chemistry, Bryn Mawr College, 1899-1901; Dean of Women and Assistant Professor of Chemistry, Indiana University, 1901-06; Student in Paris and Italy, 1909-10; Adviser of Women, University of Missouri, 1906-12; Associate Head and Teacher of English, St. Timothy's School, Catonsville, and Alumnae Director, Bryn Mawr College, 1912-13.

BROOKS, HARRIET, 990 Queen Mary's Road, Montreal, Canada.

Holder of the President's European Fellowship, 1902-03. A.B., McGill University, 1898, and A.M., 1901. Graduate Student, McGill University, 1898-99; Tutor in Mathematics, and Research Student in Physics, Royal Victoria College, 1899-1901; Fellow in Physics, Bryn Mawr College, 1901-02; Student, University of Cambridge, England, 1902-03; Lecturer in Mathematics, Royal Victoria College of McGill University, Montreal, 1903-04; Tutor in Physics, Barnard College, 1904-06; Research Student, Sorbonne, 1906-07.

Married, 1907, *Mr. Frank H. Pitcher*.

BROWNELL, LOUISE SHEFFIELD, Clinton, N. Y.

Holder of the Bryn Mawr European Fellowship, 1893-94. A.B., Bryn Mawr College, 1893, group, Greek and Latin. Student in Greek and English, University of Oxford, England, and University of Leipsic, 1893-94; Graduate Student in Greek, Columbia College, 1894-95, and Graduate Student in English, 1895-96; Graduate Student in Greek and English, Bryn Mawr College, 1896-97; Warden of Sage College, and Lecturer in English Literature, Cornell University, 1897-1900; Associate Head of the Balliol School, Utica, N. Y., 1900-05; Private Tutor, 1905-13.

Married, 1900, *Mr. Arthur Percy Saunders*.

BRUSSTAR, MARGARET ELIZABETH, . . 708 North 63rd Street, Philadelphia.

Holder of the Mary E. Garrett European Fellowship, 1911-12. A.B., Bryn Mawr College, 1903, group, Latin and Mathematics. Teacher of Latin and Mathematics in Miss Gleim's School, Pittsburgh, Pa., 1903-04; Teacher of Mathematics in the Misses Shipley's School, Bryn Mawr, Pa., 1904-10, 1912-13; Graduate Student, Bryn Mawr College, 1906-07, 1908-09, Graduate Scholar in Mathematics, 1907-08; Fellow in Mathematics, 1910-11; Student, University of Göttingen, 1911-12.

CADY, MARY LOUISE, 48 North Church Street, Decatur, Ga.

Holder of the Mary E. Garrett European Fellowship, 1906-07. A.B. and A.M., Radcliffe College, 1904. Graduate Scholar in Greek, Bryn Mawr College, 1904-05; Fellow in Greek, Bryn Mawr College, 1905-06; Student, University of Berlin, 1906-07; Teacher in the Agnes Scott College, Decatur, Ga., 1907-08, Professor of Greek, 1908-10, and Professor of History, 1910-13.

CLAFLIN, EDITH FRANCES, Monticello Seminary, Godfrey, Ill.

Holder of the Mary E. Garrett European Fellowship, 1899-1900. A.B., Radcliffe College, 1897; Ph.D., Bryn Mawr College, 1906, subjects, Greek and Latin. Graduate Scholar in Greek and Latin, Bryn Mawr College, 1897-98, and Graduate Student, 1898-99; Student at the American School of Classical Studies, Athens, 1899-1900; Private Research Work, Harvard University Library, 1900-01; Instructor in Literature in the Prospect Hill School, Greenfield, Mass., 1901-02, and in Classics and Classical History, 1902-07; Instructor in Greek and Latin, and Head of the Classical Department, Monticello Seminary, Godfrey, Ill., 1907-13.

COULTER, CORNELIA CATLIN, Ferguson, Mo.

Holder of the President's European Fellowship, 1908-09. A.B., Washington University, 1907; Ph.D., Bryn Mawr College, 1911, subjects, Latin and Greek. Graduate Scholar in Latin, Bryn Mawr College, 1907-08, Fellow in Latin, 1909-10, and Fellow in Greek, 1910-11; Student, University of Munich, 1908-09; Reader in Latin, Bryn Mawr College, 1911-12; Teacher of Latin in St. Agnes School, Albany, N. Y., 1912-13.

ELLIS, ELLEN DEBORAH, Mt. Holyoke College, South Hadley, Mass.

Holder of the Bryn Mawr European Fellowship, 1901-02. A.B., Bryn Mawr College, 1901, group, History and Political Science, A.M., 1902, and Ph.D., 1905, subjects, Economics and Politics and History. Graduate Student, Bryn Mawr College, 1901-02, 1903-04; Fellow in Economics and Politics, 1904-05; Student, University of Leipsic, 1902-03; Instructor in History, Mt. Holyoke College, 1905-08; Associate Professor and Acting

Head of the Department of History, 1908-09; Associate Professor of Pure Economics and Political Science, 1909-11, and Associate Professor of History and Political Science, 1911-13.

EMERY, ANNIE CROSBY, 163 George Street, Providence, R. I.

Holder of the Bryn Mawr European Fellowship, 1892-93. A.B., Bryn Mawr College, 1892, group, Greek and Latin, and Ph.D., 1896, subjects, Latin and Greek. Graduate Student, Bryn Mawr College, 1892-93; Student, University of Leipsic, 1893-94; Secretary to the President, and Graduate Student, Bryn Mawr College, Second Semester, 1894-95, and 1895-96; Dean of Women and Assistant Professor of Classical Philology, University of Wisconsin, 1897-1900; Dean of the Women's College in Brown University, 1900-05; Alumnae Member of the Board of Directors of Bryn Mawr College, 1906-09.

Married, 1905, *Professor Francis Greenleaf Allison*.

FLEISHER, ELEANOR LOUIE, 1715 Spruce Street, Philadelphia.

Holder of the Bryn Mawr European Fellowship, 1903-04. A.B., Bryn Mawr College, 1903, group, English and German. Graduate Student, Bryn Mawr College, 1903-04, 1906-07.

Married, 1908, *Dr. David Riesman*.

GILES, ELLEN ROSE, 87 Via Roma, Sassari, Sardinia, Italy.

Holder of the President's European Fellowship, 1897-98. A.B. and A.M., Bryn Mawr College, 1896, group, Greek and Semitic Languages. Graduate Scholar in Semitic Languages, Bryn Mawr College, 1896-97, and Graduate Scholar in Philosophy, 1897-98; Student in Philosophy, University of Berlin, 1898-99, and Sorbonne, 1899; Private Tutor, 1899-1901; Editorial and Journalistic Work, 1901-06.

HALL, EDITH HAYWARD, Woodstock, Conn.

Holder of the Mary E. Garrett European Fellowship, 1903-04. A.B., Smith College, 1899; Ph.D., Bryn Mawr College, 1908, subjects, Archæology and Greek. Teacher of Greek and History in Woodstock Academy, Woodstock, Conn., 1899-1900; Teacher of Latin and Greek in the Misses Shipley's School, Bryn Mawr, Pa., 1900-01 and 1905-09; Graduate Student, Bryn Mawr College, 1900-01, 1905-09, and Graduate Scholar, 1901-03; Holder of the Agnes Hoppin Memorial Fellowship and Student at the American School of Classical Studies, Athens, 1903-05. Instructor in Archæology, Mount Holyoke College, Second Semester, 1908-09, 1909-11; Member of Expedition of the American School of Classical Studies, Athens, to Eastern Crete, 1910; excavating in Eastern Crete, Second Semester, 1910-11; Assistant Curator, University of Pennsylvania, 1912; Member of Archæological Expedition to Crete, Second Semester, 1911-12; Assistant Curator, University Museum, Philadelphia, 1912-13.

HAMILTON, EDITH, 1312 Park Avenue, Baltimore, Md.

Holder of the Mary E. Garrett European Fellowship, 1895-96. A.B. and A.M., Bryn Mawr College, 1894, group, Greek and Latin. Fellow in Latin, Bryn Mawr College, 1894-95; Student, Universities of Leipsic and Munich, 1895-96; Head Mistress of the Bryn Mawr School, Baltimore, 1896-1913.

HAMILTON, MARGARET, 1312 Park Avenue, Baltimore, Md.

Holder of the Bryn Mawr European Fellowship, 1897-98. A.B., Bryn Mawr College, 1897, group, Chemistry and Biology. Student, Collège de France and University of Munich, 1898-99; Teacher of Science, Bryn Mawr School, Baltimore, 1900-12, and Head of the Primary Department, 1910-13.

HARDY, CORA, 105 East 19th Street, New York City.

Holder of the Bryn Mawr European Fellowship, 1899-1900. A.B., Bryn Mawr College, 1899, group Latin and French. Student at the Sorbonne, Collège de France and University of Oxford, 1899-1900; Teacher of Greek and English in Ward Seminary, Nashville, Tenn., and Graduate Student, Vanderbilt University, 1902-03; Teacher of English and Literature in St. Timothy's School, Catonsville, Md., 1903-06.

Married, 1906, *Mr. Edwin Seton Jarrett*.

HARMON, ESTHER, 2139 Glenwood Avenue, Toledo, O.

Holder of the President's European Fellowship, 1907-08; Holder of the Ottendorfer Memorial Research Fellowship in Teutonic Philology, 1909-10. A.B., University of Michigan, 1906. Graduate Scholar in Teutonic Philology, Bryn Mawr College, 1906-07; Student, University of Berlin, 1907-08; Fellow in German, Bryn Mawr College, 1908-09; Student, University of Munich, 1909-10; Teacher in the High School, Toledo, 1910-12; Instructor in German, Normal College of New York, 1912-13.

HARRISON, JANE ANNETTA, La Plata, Mo.

Holder of the Ottendorfer Memorial Research Fellowship in Teutonic Philology, 1910-11. A.B. and B.S., University of Missouri, 1906, and A.M., 1907. Graduate Student, University of Missouri, 1906-07, 1908-09; Fellow in German, Bryn Mawr College, 1909-10; University of Berlin, 1910-11; Teacher in the High School, St. Charles, Mo., 1911-13.

HILL, VIRGINIA GREER,

The Hamilton Apartments, 34th and Hamilton Streets, Philadelphia.

Holder of the Bryn Mawr European Fellowship, 1907-08. A.B., Bryn Mawr College, 1907, group, Latin and Mathematics. Student, University of Zürich, 1907-08; Teacher of Latin and Mathematics in the Agnes Irwin School, Philadelphia, 1908-13.

LAIRD, ELIZABETH REBECCA, . . Mt. Holyoke College, South Hadley, Mass.

Holder of the President's European Fellowship, 1898-99. A.B., University of Toronto, 1896; Ph.D., Bryn Mawr College, 1901, subjects, Physics and Mathematics. Teacher in Ontario Ladies' College, 1896-97; Fellow in Physics, Bryn Mawr College, 1897-98; Student, University of Berlin, 1898-99; Graduate Scholar and Fellow by Courtesy in Mathematics and Physics, Bryn Mawr College, 1900-01; Instructor in Physics, Mount Holyoke College, 1901-03, Acting Head of the Department of Physics, 1903-04, and Professor of Physics, 1904-13.

LANGENBECK, CLARA, 803 North Eutaw Street, Baltimore, Md.

Holder of the President's European Fellowship, 1896-97. Ph.G., Cincinnati College of Pharmacy, 1890; S.B., University of Cincinnati, 1895. Fellow in Biology, Bryn Mawr College, 1895-96; Student, University of Marburg, 1896-98; Professor of Biology, Wells College, 1898-1901; Instructor in the Cincinnati College Preparatory School for Girls, 1901-11; Fellow by Courtesy and Graduate Scholar in Biology, Bryn Mawr College, 1911-12; Student, Johns Hopkins Medical School, 1912-13.

LEFTWICH, FLORENCE, Biltmore, N. C.

Holder of the Bryn Mawr European Fellowship, 1895-96. Wellesley College, 1884-85. A.B., Bryn Mawr College, 1895, group, French and Latin, and Ph.D., 1906, subjects, Old French, Latin, and Spanish. Student, Sorbonne and Collège de France, 1895-96; Mistress of Modern Languages, Mississippi Industrial Institute and College, Columbus, Miss., 1896-98; Fellow by Courtesy in Romance Languages, Bryn Mawr College, 1898-99; Holder of the European Fellowship of the Baltimore Association for the Promotion of the University Education of Women, and Student, University of Zürich, 1899-1900; Teacher of French in the Bryn Mawr School, Baltimore, Md., 1900-01; Graduate Student, Bryn Mawr College, 1902; Fellow in Romance Languages, Bryn Mawr College, 1902-03.

Married, 1903, *Mr. S. Prioleau Ravenel*.

LEWIS, FLORENCE PARTHENIA, . . 2435 N. Charles Street, Baltimore, Md.

Holder of the President's European Fellowship, 1899-1900. A.B., University of Texas, 1897, and A.M., 1898; A.M., Radcliffe College, 1906. Fellow in Philosophy, Bryn Mawr College, 1898-99; Student, Sorbonne and Collège de France, 1899-1900; Teacher in the University Preparatory School, Austin, Tex., 1900-02; Student, University of Texas, 1901-03; Tutor in Mathematics, University of Texas, 1902-05; Fellow of the Baltimore Association for the Promotion of the University Education of Women and Graduate Student, Johns Hopkins University, 1907-09; Instructor in Mathematics, Goucher College, 1910-11, and Assistant Professor of Mathematics, 1911-13; Fellow by Courtesy, Johns Hopkins University, 1912-13.

LEWIS, MAYONE, 4324 Pine Street, Philadelphia.

Holder of the Bryn Mawr European Fellowship, 1908-09. A.B., Bryn Mawr College, 1908, group, Greek and Latin. Student, Universities of Munich and Paris, 1908-09; Teacher of English, Rosemary Hall, Greenwich, Conn., 1909-13.

LOWENGRUND, HELEN MOSS, 1827 North 18th Street, Philadelphia.

Holder of the Bryn Mawr European Fellowship, 1906-07. A.B., Bryn Mawr College, 1906, group, Latin and English, and A.M., 1907. Graduate Scholar in Latin, Bryn Mawr College, 1906-07; Graduate Scholar in English, 1907-08, and Graduate Student in English, 1909-10; Teacher of History in the Girls' High School, Philadelphia, 1909-10, and of English, 1911-13; Research Student in British Museum, 1910-11.

MADDISON, ISABEL, 217 Roberts Road, Bryn Mawr, Pa.

Holder of the Mary E. Garrett European Fellowship, 1894-95. University College of South Wales and Monmouthshire, 1885-89; Girton College, University of Cambridge, England, 1889-92; Mathematical Tripos, First Class, 1892; Oxford Mathematical Final Honour School, 1892; B.Sc., University of London, Mathematical Honours, 1893; Ph.D., Bryn Mawr College, 1896, subjects, Mathematics, Applied Mathematics and Physics; A.B., Trinity College, Dublin, 1905. Graduate Student in Mathematics, Bryn Mawr College, 1892-93, and Fellow in Mathematics, 1893-94; Student in Mathematics, University of Göttingen, 1894-95; Assistant Secretary to the President, Bryn Mawr College, 1895-96; Secretary to the President, and Reader in Mathematics, 1896-1904; Assistant to the President, and Reader in Mathematics, 1904-06, and Assistant to the President and Associate in Mathematics, 1906-10; Recording Dean and Assistant to the President, 1910-13.

MARTIN, EMILIE NORTON, . . . Mt. Holyoke College, South Hadley, Mass.

Holder of the Mary E. Garrett European Fellowship, 1897-98. A.B., Bryn Mawr College, 1894, group, Latin and Mathematics, and Ph.D., 1901, subjects, Mathematics and Physics. Graduate Student, Bryn Mawr College, First Semester, 1894-95, 1896-97, 1901-02, 1906-07; Teacher of Latin in the Bryn Mawr School, Baltimore, Md., January-June, 1895; Fellow in Mathematics, Bryn Mawr College, 1895-96; Student, University of Göttingen, 1897-98; Fellow by Courtesy in Mathematics, Bryn Mawr College, 1898-99; Teacher of Mathematics in the Misses Kirk's School, Rosemont, Pa., 1899-1900; Private Tutor, 1899-1903; Instructor in Mathematics, Mt. Holyoke College, 1903-04, First Semester, 1904-05, 1907-11, and Associate Professor of Mathematics, 1911-13.

MORSE, KATE NILES, 24 Park Street, Haverhill, Mass.

Holder of the Mary E. Garrett European Fellowship, 1901-02. A.B., Mt. Holyoke College, 1898, and A.M., 1900. Graduate Student, Bryn Mawr College, 1898-99; Fellow in Greek, Bryn Mawr College, 1900-01; Universities of Berlin and Munich, and American School of Classical Studies, Athens, 1901-02; Graduate Student, Radcliffe College, 1903, 1906-07.

NICHOLS, HELEN HAWLEY, Wellesley College, Wellesley, Mass.

Holder of the Mary E. Garrett European Fellowship, 1908-09. A.B., Marietta College, 1906; Ph.D., Bryn Mawr College, 1911, subjects, Hebrew, Aramaic and New Testament Greek. Graduate Student, Bryn Mawr College, 1906-07, and Graduate Scholar in Semitic Languages, 1907-08, 1909-10; Student, University of Oxford, 1908-09; Instructor in Biblical History, Wellesley College, 1911-13.

NOWLIN, NADINE, 1144 Louisiana Street, Lawrence, Kan.

Holder of the President's European Fellowship, 1906-07. A.B. and A.M., University of Kansas, 1903. Fellow in Biology, Bryn Mawr College, 1905-06; Demonstrator in Biology, University of Kansas, 1906-08; Graduate Student, University of Munich, 1908-09; Zoological Station, Naples, 1909; Instructor in Zoology, University of Kansas, 1910-13.

PARK, MARION EDWARDS, See page 20.

Holder of the Bryn Mawr European Fellowship, 1898-99.

PARRIS, MARION, Low Buildings, Bryn Mawr, Pa.

Holder of Bryn Mawr College Research Fellowship, 1906-07. A.B., Bryn Mawr College, 1901, group, History and Political Science, and Ph.D., 1909, subjects, Economics and Politics and Philosophy. Private Tutor, 1901-02; Warden of Summit Grove, Bryn Mawr College, 1902-04, and of Rockefeller Hall, 1904-05; Graduate Student, Bryn Mawr College, 1902-05; Fellow in Economics, Bryn Mawr College, 1905-06; Student, University of Vienna, 1906-07; Reader in Economics and Politics, Bryn Mawr College, 1907-08, Associate in Economics and Politics, 1908-11, and Associate Professor, 1911-13; Chairman of Executive Committee of Bureau of Occupations for Trained Women, Philadelphia, 1912.

Married, 1912, *Professor William Roy Smith*.

PEEBLES, FLORENCE, 815 Old Lancaster Road, Bryn Mawr, Pa.

Holder of the Mary E. Garrett European Fellowship, 1898-99. A.B., Woman's College of Baltimore, 1895, and Ph.D., Bryn Mawr College, 1900, subjects, Morphology and Physiology. Graduate Scholar in Biology, Bryn Mawr College, 1895-96; Fellow in Biology, 1896-97, and Graduate Student, 1897-98, 1903-04, 1906-11; Scholar of the Woman's Table and Student in Biology, Zoological Station, Naples, Universities of Munich and Halle, 1898-99; Instructor in Biology, Woman's College of Baltimore, 1899-1902, and Associate Professor of Biology, 1902-06; Student, University of Bonn, Summer, 1906; Teacher of Science in Miss Wright's School, Bryn Mawr, 1906-11; Holder of American Woman's Table in Zoological Station, Naples, Spring, 1907; Assistant Demonstrator in Biology, Bryn Mawr College, 1907-10, and Private Tutor, 1907-12; Fellow of the Association of Collegiate Alumnae, Boston Branch, and Student and Research Worker, Germany and France, 1912-13.

PERKINS, ELIZABETH MARY, 2429 Green Street, San Francisco, Cal.

Holder of the Bryn Mawr European Fellowship, 1900-01. A.B., Bryn Mawr College, 1900, group, Greek and Latin, and Ph.D., 1904, subjects, Latin and Greek. Graduate Student, Bryn Mawr College, 1900-01; Student, Universities of Berlin and Munich, 1901-02; Fellow in Latin, Bryn Mawr College, 1902-03; Teacher of Latin and German in the Western High School, Washington, 1903-04, of Latin, 1904-05, and of Greek and Latin, 1905-06; Instructor in Latin, Vassar College, 1906-07; Graduate Student, Columbia University, 1907-08; Tutor in Latin, High School Department, Normal College, New York City, 1907-09; on leave of absence, 1909-10.

Married, 1910, *Mr. Eric Charles William Scheel Lyders*.

- PINNEY, MARY EDITH**, 1209 Ohio Street, Lawrence, Kan.
 President's European Fellow, 1911-12. A.B., Kansas State University, 1908, and A.M., 1910. Teaching Fellow in Zoology, Kansas State University, 1909-10, and High School Instructor, Alma, Kan., 1908-09; Fellow in Biology, Bryn Mawr College, 1910-11; Student, Universities of Bonn and Heidelberg and Zoological Station, Naples, 1911-12; Instructor in Zoology, Kansas State University, 1912-13.
- RAGSDALE, VIRGINIA**, Jamestown, N. C.
 Holder of the Bryn Mawr European Fellowship, 1896-97. S.B., Guilford College, 1892. Graduate Scholar in Mathematics, Bryn Mawr College, 1892-93, and Graduate Student, Bryn Mawr College, 1893-97. A.B., Bryn Mawr College, 1896; Ph.D., 1906. Assistant Demonstrator in Physics, Bryn Mawr College, 1896-97; Student, University of Göttingen, 1897-98; Teacher of Science and Mathematics in the Bryn Mawr School, Baltimore, Md., 1898-1900, and Assistant Teacher of Mathematics, 1900-01; Holder of Fellowship of the Baltimore Association for the Promotion of the University Education of Women, Graduate Scholar, and Fellow by Courtesy in Mathematics, Bryn Mawr College, 1901-02; Fellow in Mathematics, Bryn Mawr College, 1902-03; Teacher of Mathematics in Dr. J. Sachs's School for Girls, New York City, 1903-05; Teacher of Mathematics in the Baldwin School, Bryn Mawr, Pa., 1906-11, Reader in Mathematics, Bryn Mawr College, 1908-10, and Fellow by Courtesy, 1910-11.
- REIMER, MARIE**, 420 West 118th Street, New York City.
 Holder of the Mary E. Garrett European Fellowship, 1902-03. A.B., Vassar College, 1897, and Ph.D., Bryn Mawr College, 1903, subjects, Chemistry and Physiology. Graduate Scholar in Chemistry, Vassar College, 1897-98; Assistant in the Chemical Laboratory, Vassar College, 1898-99; Fellow in Chemistry, Bryn Mawr College, 1899-1900, 1901-02; Graduate Scholar and Fellow by Courtesy in Chemistry, Bryn Mawr College, 1900-01; Student, University of Berlin, 1902-03; Lecturer in Chemistry, Barnard College, 1903-04, Instructor in Chemistry, 1904-09; Adjunct Professor of Chemistry, 1909-10, and Associate Professor, 1910-13.
- ROE, ADAH BLANCHE**, See page 16.
 Holder of Ottendorfer Memorial Research Fellowship in Teutonic Philology, 1911-12.
- SAMPSON, LILIAN VAUGHAN**, 409 West 117th Street, New York City.
 Holder of the Bryn Mawr European Fellowship, 1891-92. A.B., Bryn Mawr College, 1891, group, Mathematics and Physics, and A.M., 1894. Student, University of Zürich, 1892-93; Graduate Student, Bryn Mawr College, 1891-92, and 1893-99; Research Work in Biology, 1904-06.
 Married, 1904, *Professor Thomas Hunt Morgan*.
- SANDISON, HELEN ESTABROOK**, See page 12.
 Holder of Special European Fellowship, 1909-10.
- SCHAEFFER, HELEN ELIZABETH**, Died, 1913.
 Holder of the Mary E. Garrett European Fellowship, 1905-06. A.B., Dickinson College, 1903, and A.M., 1905; Ph.D., Bryn Mawr College, 1908. Graduate Scholar in Mathematics, Bryn Mawr College, 1903-04, and Graduate Student in Physics, 1907-08, 1909-11; Fellow in Physics, Bryn Mawr College, 1904-05; Student, University of Göttingen, 1905-06; Demonstrator in Physics, Bryn Mawr College, 1906-07; Teacher in the Baldwin School, Bryn Mawr, 1907-08, 1911-12; Reader in Mathematics, Bryn Mawr College, Second Semester, 1909-10, 1911-12.
 Married, 1908, *Dr. William Bashford Huff*.
- SCHENCK, EUNICE MORGAN**, See page 16.
 Holder of President's European Fellowship, 1910-11.
- SCHMIDT, GERTRUD CHARLOTTE**, Bryn Mawr, Pa.
 Holder of the President's European Fellowship, 1904-05. B.L., University of Wisconsin, 1900; A.M., Radcliffe College, 1903; Ph.D., Bryn Mawr College, 1913, subjects, Teutonic Philology, German Literature and Sanskrit. Graduate Student, Radcliffe College, 1900-01, 1902-03; Assistant in German, Smith College, 1901-02; Graduate Student, Bryn Mawr College, 1903-05, 1906-09; Teacher of German in Miss Wright's School, Bryn Mawr, Pa., 1903-05, 1906-13; Student, University of Leipsic, 1905-06, University of Grenoble, Summer, 1905.
- SHEARER, EDNA ASTON**, 35 Summit Grove Avenue, Bryn Mawr, Pa.
 Holder of the President's European Fellowship, 1905-06. A.B., Bryn Mawr College, 1904, group, English and Philosophy. Junior Fellow in Philosophy, Bryn Mawr College, 1904-05; Student, Universities of Edinburgh and Aberdeen, 1905-06; Fellow in Philosophy, Bryn Mawr College, 1906-07; Teacher of English in the Baldwin School, Bryn Mawr, Pa., 1907-10, and Graduate Student, Bryn Mawr College, 1907-08, 1909-10; Reader in English, Bryn Mawr College, 1910-13.

SHIELDS, EMILY LEDYARD, 1902 West 6th Street, Los Angeles, Cal.

Holder of the Bryn Mawr European Fellowship, 1905-06. A.B., Bryn Mawr College, 1905, group, Greek and Mathematics, and A.M., 1906. Graduate Student, Bryn Mawr College, 1905-06; Recording Secretary and Appointment Secretary, Bryn Mawr College, 1906-07; Student, University of Oxford, and University of Berlin, 1907-08; Teacher of Greek and Mathematics in the Bryn Mawr School, Baltimore, Md., 1909-12, and of Mathematics in the Baldwin School, Bryn Mawr, Pa., 1912-13.

SHIPLEY, KATHARINE MORRIS, Bryn Mawr, Pa.

Holder of the Bryn Mawr European Fellowship, 1890-91. A.B., Bryn Mawr College, 1890, group, Latin and English. Student in Latin and English, University of Leipsic, 1890-91; Sorbonne and Collège de France, 1891-92; Newnham College, University of Cambridge, England, May Term, 1892; Associate Principal and Supervisor of English in the Misses Shipley's School, Bryn Mawr, Pa., 1894-1913.

STEVENS, NETTIE MARIA, Died, 1912.

Holder of the President's European Fellowship, 1901-02. A.B., Leland Stanford, Jr., University, 1899, and A.M., 1900; Ph.D., Bryn Mawr College, 1903, subjects, Morphology and Physiology. Student in the Hopkins Seaside Laboratory, Pacific Grove, Cal., summers, 1897, 1898, and 1899; Graduate Scholar in Biology, Bryn Mawr College, 1900-01; Student, Zoological Station, Naples, 1901-02, March to May, 1909, University of Würzburg, 1902; Fellow in Biology, Bryn Mawr College, 1902-03; Research Fellow in Biology, Bryn Mawr College, First Semester, 1903-04; Reader in Experimental Morphology, Bryn Mawr College, 1904-05, and Associate in Experimental Morphology, 1905-12; Carnegie Research Assistant, 1904-06; Alice Freeman Palmer Research Fellow and Student, University of Würzburg, on leave of absence, 1908-09.

STITES, SARA HENRY, 78 South Franklin Street, Wilkes Barre, Pa.

Holder of the President's European Fellowship, 1900-01. A.B., Bryn Mawr College, 1899, group, History and Political Science, A.M., 1900, and Ph.D., 1905, subjects, Economics and Politics and History. Graduate Scholar in History and Political Science, Bryn Mawr College, 1899-1900; Student at the Sorbonne and Collège de France, 1900-01; University of Leipsic, 1901-02; Graduate Scholar and Fellow by Courtesy in Political Science, Bryn Mawr College, 1902-04; Co-Principal of the Wilkes Barre Institute, Wilkes Barre, Pa., 1904-13.

SWINDLER, MARY HAMILTON, See page 20.

Holder of the Mary E. Garrett European Fellowship, 1909-10.

TRAYER, HOPE, 26 Oakland Terrace, Hartford, Conn.

Holder of the Mary E. Garrett European Fellowship, 1904-05. A.B., Vassar College, 1896; Ph.D., Bryn Mawr College, 1907, subjects, English and History. Graduate Student, Bryn Mawr College, and Private Tutor, Whitford, Pa., 1901-02; Graduate Scholar, Bryn Mawr College, and Teacher of English in Miss Wright's School, Bryn Mawr, Pa., 1902-03; Fellow in English, Bryn Mawr College, 1903-04; Student, University of Munich, 1904-05, and First Semester, 1905-06; Graduate Scholar and Fellow by Courtesy, Bryn Mawr College, Second Semester, 1905-06; Teacher of English in Huntington Hall, Los Angeles, Cal., 1906-09; Teacher of English Literature, Mills College, California, 1909-11, and Professor of English, 1911-13.

TREDWAY, HELEN, 45 Fenelon Place, Dubuque, Ia.

Holder of the Bryn Mawr European Fellowship, 1911-12. A.B., Bryn Mawr College, 1911, group, Physics and Chemistry, and A.M., 1912. Graduate Scholar in Chemistry, Bryn Mawr College, 1911-12; Student of Chemistry, University of Göttingen, 1912-13.

WADE, CLARA LOUISE WHIPPLE, 646 Park Avenue, New York City.

Holder of the Bryn Mawr European Fellowship, 1904-05. A.B., Bryn Mawr College, 1904, group, Greek and Latin. Scholar in Latin, Bryn Mawr College, and Private Tutor, 1904-05; Student, University of Munich, 1905-06; Graduate Student, Bryn Mawr College, and Private Tutor, 1906-09; Teacher of Latin and German in the Misses Shipley's School, Bryn Mawr, Pa., 1907-10; Teacher of Latin and Greek in Miss Knox's School, Briarcliff Manor, N. Y., 1910-11, and in the Charlton School, New York City, 1911-13.

WARREN, WINIFRED, 805 Comstock Avenue, Syracuse, N. Y.

Holder of the Mary E. Garrett European Fellowship, 1896-97. A.B., Boston University, 1891, and A.M., 1894; Ph.D., Bryn Mawr College, 1898, subjects, Greek and Latin. Fellow in Latin, Bryn Mawr College, 1893-94, and Fellow by Courtesy in Latin, 1894-96; Student in Classical Philology, Universities of Munich and Berlin, 1896-97; Instructor in Latin, Vassar College, 1897-1902.

Married, 1902, *Mr. George Arthur Wilson.*

WEUSTHOFF, ANNA SOPHIE, 916 Avenue D, Bayonne, N. J.
 Holder of Special Ottendorfer Memorial Research Fellowship in Teutonic Philology, 1907-08. Holder of Ottendorfer Memorial Research Fellowship in Teutonic Philology, 1908-09. A.B., Woman's College of Baltimore, 1906. Graduate Scholar in Teutonic Philology, Bryn Mawr College, 1906-07; Student, University of Berlin, 1907-09; Alumnae Fellow of Goucher College and Graduate Student of Bryn Mawr College, 1909-10; Teacher of German in the Misses Shipley's School, Bryn Mawr, Pa., 1910-13.

Former Resident Fellows.

ALBERT, GRACE, The College Inn, Bryn Mawr, Pa.
 Fellow in History, 1903-04. A.B., Bryn Mawr College, 1897, group, Greek and Latin, and A.M., 1903. Private Tutor, 1897-99; Teacher of Latin in the Misses Shipley's School, Bryn Mawr, Pa., 1899-1901, of History, 1905-06, and Secretary, 1901-02; Graduate Student, Bryn Mawr College, 1901-02, and 1904-08; Graduate Scholar in History and Economics and Politics, 1902-03; Fellow in History and Student, University of London, engaged in research work in the Public Records Office, London, and in the University of Oxford, 1903-04; Head of Department of History in the Misses Shipley's School, Bryn Mawr, 1906-13.

ATKINSON, MABEL, 28 Colville Square, Payswater W., London, England.
 Fellow in Economics and Politics, 1902-03. A.M., Glasgow University, 1900. Holder of Research Studentship, London School of Economics, 1900-02; Classical Mistress, High School, Newcastle, England, 1903-04; Lecturer in Philosophy and Assistant to the Professor of Classics, Armstrong College, University of Durham, 1904-08; Member of the Board of Faculties, University of Durham, 1905-07; Honorary Secretary, Settlement Association, Newcastle-on-Tyne, 1906-07; Lecturer in Economics, King's College, London, 1908-13, and Lecturer in Economics to the Woman's Educational Association, London, 1910-13; Member of Boards of Studies in Economics and Sociology, London University, 1912-13.

AVEN, ANNA WARD, 401 East Market Street, Greenwood, Miss.
 Fellow in Latin, 1908-09. A.B., Mississippi College, 1905. Graduate Student in Greek and Latin, Bryn Mawr College, 1906-07, and Graduate Scholar in Latin, 1907-08. Instructor in Latin, Hillman College, Clinton, Miss., 1905-06; Head of Normal Department, Mississippi State College for Women, 1909-10.

Married, 1910, *Mr. William Madison Whittington.*

BAKER, MABEL WHITMAN, 3100 Newark Street, Washington, D. C.
 Fellow in Latin, 1896-97. Columbian University, 1893-95; Teacher in Norwood Institute, Washington, 1895-96; Teacher of Latin in the Western High School, Washington, 1897-1903.

Married, 1903, *Mr. Alfred Hulse Brooks.*

BANCROFT, JANE M., 425 Cass Avenue, Detroit, Mich.
 Fellow in History, 1885-86. Ph.B., Syracuse University, 1877, Ph.M., 1880, and Ph.D., 1884. Dean of Woman's College and Professor of French Language and Literature, Northwestern University, 1877-85; University of Zürich, 1886-87; Sorbonne and Collège de France, 1888.

Married, 1891, *Mr. George O. Robinson.*

BARTLETT, HELEN, Vermejo Park, Colfax Co., New Mexico.
 Fellow in English, 1893-94. Newnham College, University of Cambridge, England, 1889; studied in Berlin, 1882-84, and 1890. A.B., Bryn Mawr College, 1892, group, English and German, A.M., 1893, and Ph.D., 1896, subjects, English and German. Graduate Student, Bryn Mawr College, 1892-93, 1894-95; Holder of the American Fellowship of the Association of Collegiate Alumnae, 1894-95; Instructor in German and French in the Portland Academy, Portland, Ore., 1896-97; Dean of Women, Head of the Modern Language Department and Assistant Professor of German in the Bradley Polytechnic Institute, Peoria, Ill., 1897-1904, Dean of Women, Head of the Modern Language Department, and Professor of German, 1904-11; Student, University of Berlin, 1905; Travelling in Europe on leave of absence. 1907-10, and in California and New Mexico, 1910-11.

DE BEAUREGARD, ESTHER TONTANT, 117 Collier Street, Toronto, Canada.
 Fellow in Romance Languages, 1894-95. A.B., University of Toronto, 1894; Ontario Normal College, 1895-96; Teacher of Modern Languages, Niagara Falls Collegiate Institute, 1896-1900; Graduate Student in English, University of Pennsylvania, 1900-01; Teacher of English and French in Mrs. Chapman and Miss Jones's School, Chestnut Hill, Philadelphia, 1904-05.

Married, 1905, *Mr. Percy James Robinson.*

- BECKWITH, MINNIE ADA**, Lancaster Inn, Bryn Mawr, Pa.
Fellow in Latin, 1903-04. A.B., University of Chicago, 1902. Graduate Scholar, University of Chicago, 1902-03; Graduate Student, Bryn Mawr College, 1907-08; Teacher of Latin and Greek in the Baldwin School, Bryn Mawr, Pa., 1904-12, and Head of Latin Department, 1912-13.
- BENNESON, CORA AGNES**, 3 Phillips Place, Cambridge, Mass.
Fellow in History, 1887-88. A.B., University of Michigan, 1878, LL.B., 1880, and A.M., 1883. Graduate Student, Radcliffe College, 1897-1902; Attorney and Counsellor-at-Law, Cambridge, 1894-1913; Special Commissioner in Massachusetts, 1895-1913.
- BLAKE, SUE AVIS**, Merion Station, Pa.
Fellow in Physics, 1906-07. A.B., Bryn Mawr College, 1898, group, Mathematics and Physics, and A.M., 1900. Demonstrator and Graduate Student in Physics, Bryn Mawr College, 1898-99, 1904-06; Graduate Student, Bryn Mawr College, and Teacher of Mathematics and Science in the Misses Shipley's School, Bryn Mawr, Pa., 1899-1900; Assistant in Physics, Smith College, 1900-02, 1903-04; Fellow in Physics, University of Pennsylvania, 1907-08; Private Tutor, 1909-10; Instructor in Physics, Smith College, 1910-13.
- BLANCHARD, ELIZABETH MILLER**, Bellefonte, Pa.
Fellow in Mathematics, 1889-90. A.B., Bryn Mawr College, 1889, group, Greek and Mathematics. Teacher of Mathematics in the Bryn Mawr School, Baltimore, Md., 1891-92; Teacher of Mathematics in the Misses Shipley's School, Bryn Mawr, Pa., 1895-1908, and in Miss Irwin's School, Philadelphia, 1896-1908; Graduate Student, Bryn Mawr College, 1902-03; Assistant Manager of the Bellefonte Basket Shop, 1908-13.
- BORING, ALICE MIDDLETON**, See page 21.
Fellow in Biology, 1906-07.
- BOURLAND, CAROLINE BROWN**, See page 21.
Fellow in Romance Languages, 1898-99.
- BOWERMAN, HELEN COX**, Point Pleasant, N. J.
Fellow in Archæology, 1909-11. A.B., Mount Holyoke College, 1901; A.M., University of Rochester, 1903. Teacher of English and Latin in the High School, Macedon, N. Y., 1903-05; Instructor in Latin, Western College for Women, Oxford, O., 1905-07; Associate Professor of Latin, 1907-08; Graduate Scholar in Archæology, Bryn Mawr College, 1908-09; Fellow by Courtesy, 1911-12; University of Bonn, Summer, 1910; American School of Classical Studies, Rome, 1910-11; Holder of '86 Fellowship of Mt. Holyoke College, and Fellow by Courtesy, Bryn Mawr College, 1911-12; Instructor in Latin, Wilson College, 1912-13.
- BRAMHALL, EDITH CLEMENTINE**, Rockford College, Rockford, Ill.
Fellow in History, 1898-99. A.B., University of Indiana, 1895; A.M., University of Pennsylvania, 1896, and Ph.D., 1898; Teacher of History in the Manual Training High School, Indianapolis, Ind., 1899-1900; Instructor in History and Economics, Rockford College, 1900-02, and Professor, 1902-13.
- BROMBACHER, CAROLINE GARNAR**,
177 Woodruff Avenue, Brooklyn, New York City.
Fellow in Greek, 1896-97. A.B., Barnard College, 1895. Assistant Teacher of Mathematics and Latin in the Erasmus Hall High School, Brooklyn, 1897-99, of Mathematics and Greek, 1899-1901, and of Greek, 1901-06; Graduate Student, Columbia University, 1903-04.
Married, 1906, *Mr. Sidney G. Stacey*.
- BROOKS, HARRIET**, See page 22.
Fellow in Physics, 1901-02.
- BROWNELL, JANE LOUISE**, Bryn Mawr, Pa.
Fellow in Political Science, 1893-94. A.B., Bryn Mawr College, 1893, group, History and Political Science, and A.M., 1894. Teacher of Mathematics in the Bryn Mawr School, Baltimore, Md., 1894-1902, and Associate Mistress, 1897-1902; Associate Principal of Miss Florence Baldwin's School, Bryn Mawr, 1902-06; Head of the Baldwin School, Bryn Mawr, 1906-13.
- BRUSSTAR, MARGARET ELIZABETH**, See page 22.
Fellow in Mathematics, 1910-11.

BURNLEY, MARY CLOYD, 1029 Grove Street, Evanston, Ill.
Fellow in Chemistry, 1897-98. A.B., Woman's College of Baltimore, 1897, and A.M., 1899. Assistant in Chemistry, Vassar College, 1898-1900, and Instructor in Chemistry, 1900-1908; Research Fellow in Chemistry, Bryn Mawr College, 1908-09; Church Worker, 1911-13.

Married, 1909, *The Rev. James Madison Stifler*.

BYRNES, ESTHER FUSSELL,

193 Jefferson Avenue, Brooklyn, New York City.

Fellow in Biology, 1894-95. A.B., Bryn Mawr College, 1891, group, Chemistry and Biology, A.M., 1894, and Ph.D., 1898, subjects, Morphology and Physiology. Assistant in Biological Laboratory, Vassar College, 1891-93; Graduate Scholar in Biology, Bryn Mawr College, 1893-94, and Graduate Student in Biology, 1895-97; Teacher of Physiology and Zoology in the Girls' High School, Brooklyn, New York City, 1897-1913; Fellow of the New York Academy of Science; Chairman of the Section of Biology of the New York State Science Teachers' Association, 1906.

CADY, MARY LOUISE, See page 22.

Fellow in Greek, 1905-06.

CAM, HELEN MAUD, Paulers Pury Rectory, Towcester, England.

Fellow in History, 1908-09. B.A., University of London, 1908, and M.A., 1909. Royal Holloway College, 1904-07. Assistant Mistress, Cheltenham Ladies' College, 1909-12; Assistant Lecturer in History, Royal Holloway College, 1912-13.

CHAMBERLAIN, ETHEL MARY, 89 Migeon Avenue, Torrington, Conn.

Fellow in Philosophy, 1908-09. A.B., Lombard College, 1906; Ph.D., University of Chicago, 1911. Graduate Student, University of Chicago, 1906-08, 1910-11, and Fellow in Psychology, 1909-10.

Married, 1911, *Mr. Gail Quincy Porter*.

CLARK, MABEL PARKER, 145 West 78th Street, New York City.

Fellow in English, 1889-90. A.B., Bryn Mawr College, 1889, group, Greek and English, and A.M., 1890. Reader in English, and Graduate Student, 1890-93; Graduate Student, Barnard College, 1893-94.

Married, 1894, *Dr. John Henry Huddleston*.

CLARKE, MARY PATTERSON, 721 Illinois Street, Lawrence, Kan.

Fellow in History, 1906-07. A.B., University of Kansas, 1903, and A.M., 1905. Graduate Student, University of Kansas, 1904-05, and Fellow in History, 1905-06; Principal and Teacher of History in the High School, Cartersville, Mo., 1907-08; Teacher of History in the High School, Perry, Okla., 1910-12.

CLOUGH, IDA PRESCOTT, 37 Cedar Street, Somerville, Mass.

Fellow in Latin, 1900-01. A.B., Radcliffe College, 1896, and A.M., 1900. Graduate Student, Radcliffe College, 1899-1900; University of Berlin, 1901-02.

COLE, ANNA LEWIS, 1828 Mt. Vernon Street, Philadelphia.

Fellow in Romance Languages, 1895-96. A.B., Woman's College of Baltimore, 1892, and A.M., 1894. Student in English and French, Sorbonne, 1894-95; Head Teacher of Modern Languages, Winthrop Normal and Industrial College, Rock Hill, S. C., 1897-1903, 1904-05; Fellow in Romance Languages, University of Chicago, 1903-04; Head of French Department, Friends' Central School, Philadelphia, 1905-07; Graduate Student, Bryn Mawr College, 1906-07, 1910-11, and University of Pennsylvania, 1906-07; Teacher of French in Sweet Briar Institute, Sweet Briar, Va., 1907-08, and Head of French Department, 1908-10; Instructor in French in the Girls' High School, Philadelphia, 1910-13.

COLIN, THÉRÈSE F., Died, 1913.

Fellow in Romance Languages, 1893-94. Diplômée et agrégée, Collège de Neuchâtel, 1875; A.M., Leland Stanford, Jr., University, 1893; Ph.D., University of Pennsylvania, 1897; Officier de l'Instruction Publique, Paris, 1906; Muséum d'Histoire Naturelle, Paris, 1883-85; University of the City of New York, 1887-88; Reader in Romance Languages, and Graduate Student, Bryn Mawr College, 1894-96; Student in Romance Philology and Literature, Sorbonne, Collège de France, Ecole des Hautes Etudes, Ecole des Chartes, Paris, 1895; Head of French Department in Miss Florence Baldwin's School, Bryn Mawr, Pa., 1896-1904; Associate Professor of French, Wellesley College, 1904-06, Professor-Elect, 1906-07, and Professor of French Language and Literature, 1907-13, and Head of the Department of French, 1905-13; Professor of French Language and Literature, University Extension Department of Harvard University, 1910-11.

Married, —, *Mr. Alfred Colin*.

COOPER, ELVA,.....942 Winchester Street, Milwaukee, Wis.
Fellow in Mathematics, 1907-08. A.B., University of Wisconsin, 1904, and A.M., 1906.
Student in Mathematics, University of Wisconsin, 1905-06, Graduate Scholar in
Mathematics, and Teacher of Mathematics, 1906-07. Instructor in Mathematics, Uni-
versity of Washington, 1908-10, and University of Colorado, 1910-13.

COULTER, CORNELIA CATLIN,.....See page 22.
Fellow in Latin, 1909-10; Fellow in Greek, 1910-11.

CRAWFORD, THYRA,.....See page 18.
Fellow in German, 1911-12.

CUMMINGS, LOUISE D.,.....See page 18.
Fellow in Mathematics, 1898-99.

DAVIS, SARAH WHITE,.....Lapeer, Mich.
Fellow in History, 1910-11. A.B., Mt. Holyoke College, 1909. Graduate Student, Mt.
Holyoke College, 1909-10; Mary E. Woolley Fellow of Mt. Holyoke College and Student,
University of Oxford, 1911-12.

DENIS, WILLEY,
Laboratory of Biological Chemistry, Harvard Medical School,
Boston, Mass.

Fellow in Chemistry, 1902-03. A.B., Tulane University, 1899, and A.M., 1902; Ph.D.,
University of Chicago, 1907. Graduate Student, Bryn Mawr College, 1899-1901;
Tulane University, 1901-02, 1903-04, University of Chicago, 1905-07; Assistant
Chemist, U. S. Department of Agriculture, Bureau of Foods, 1907-09; Research
Assistant, Harvard Medical School, 1910-13.

DOVER, MARY VIOLETTE,....Mt. Holyoke College, South Hadley, Mass.
Fellow in Chemistry, 1905-06. A.B., McGill University, 1898, and M.Sc., 1900; Ph.D.,
University of Breslau, 1908. Instructor in Chemistry, Mt. Holyoke College, 1909-13.

DUDLEY, LOUISE,.....Georgetown, Ky.
Fellow in English, 1906-07. A.B., Georgetown College, 1905; Ph.D., Bryn Mawr College,
1911, subjects, English Philology, English Literature, and English History. Graduate
Student, Bryn Mawr College, 1905-06, and Graduate Scholar, 1910. Teacher of
Mathematics and Latin in Kemper Hall, Kenosha, Wis., 1907-08; Research Student,
Bibliothèque Nationale, Paris, 1908-09, and Student, Oxford University, First Semester,
1909-10; Instructor in English Literature, Mt. Holyoke College, 1910-12.

EDDY, HELEN MAY,.....Marengo, Ia.
Fellow in Latin, 1904-05. A.B., University of Iowa, 1900, and A.M., 1903. Fellow in
Latin, University of Iowa, 1901-04. Teacher of Latin in the High School, Fairfield, Ia.,
1905-06, and of Latin and Greek in the Winona Park School for Women, Winona Lake,
Ind., 1906-08; Teacher of Latin and German in the State Normal School, Mayville,
N. D., 1908-13.

EDMAND, MARIETTA JOSEPHINE, E. 1846 Ninth Avenue, Spokane, Wash.
Fellow in Latin, 1897-98. A.B., Central University of Iowa, 1887, and A.M., 1890;
A.B. and A.M., University of Chicago, 1897. Assistant in Academic Department,
Iowa Wesleyan University, 1887-90, and Principal of Academic Department, 1890-93;
Professor of Latin, Iowa Wesleyan University, 1893-95; Graduate Student in Greek
and Latin, University of Chicago, 1895-97; Professor of Latin and Greek, Milwaukee-
Downer College, Milwaukee, Wis., 1898-99, and Professor of Latin, 1899-1903; American
School of Classical Studies, Rome, 1901-02.

Married, 1903, *Dr. Frederic Perry Noble*.

EDWARDS, KATHARINE MAY,.....Wellesley College, Wellesley, Mass.
Fellow in Greek, 1888-89. A.B., Cornell University, 1888, and Ph.D., 1895. Instructor
in Greek, Wellesley College, 1889-93; Graduate Student, Cornell University, 1893-94;
Associate Professor of Greek, Wellesley College, 1894-1901, and Associate Professor of
Greek and Comparative Philology, 1901-13.

ELLIS, ELLEN DEBORAH,.....See page 22.
Fellow in Economics and History, 1904-05.

EVERS, HELEN MARGARET,.....11507 Mayfield Road, Cleveland, O.
Fellow in Romance Languages, 1903-05. A.B., Washington University, 1899; A.M.,
University of Missouri, 1902; Ph.D., Bryn Mawr College, 1905, subjects, French and
Spanish. Graduate Student, University of Missouri, 1901-02, and Fellow in Romance
Languages, 1902-03; Fellow in Romance Languages, Bryn Mawr College, 1903-05;
Teacher of French in the Gleim School, Pittsburgh, Pa., 1906-07; Acting Instructor in

Romance Languages, University of Missouri, 1905-06, and Instructor, 1907-09; Instructor in the International Institute for Girls, Madrid, Spain, 1909-10; Instructor in Romance Languages, College for Women of Western Reserve University, 1910-13.

FAHNESTOCK, EDITH, Vassar College, Poughkeepsie, N. Y.

Fellow in Romance Languages, 1897-98. L.B., Western Reserve University, 1894. University of Zürich and Sorbonne, 1894-96; Mistress of Modern Languages, Mississippi Industrial Institute and College, Columbus, Miss., 1898-1901, 1902-05; Graduate Scholar and Fellow by Courtesy in Romance Languages, Bryn Mawr College, 1901-02, and Graduate Scholar, 1906-07; Instructor in Romance Languages, Mt. Holyoke College, 1907-08, and Vassar College, 1908-13.

FAIRBANKS, CHARLOTTE, St. Johnsbury, Vt.

Fellow in Chemistry, 1896-97. A.B., Smith College, 1894; Ph.D., Yale University, 1896; M.D., Woman's Medical College of Pennsylvania, 1902. Instructor in Chemistry, Wellesley College, 1897-99; Woman's Medical College of Pennsylvania, 1899-1902; Physician, 1905-07; Instructor in Chemistry and Materia Medica, Woman's Medical College of Pennsylvania, 1906-07; Physician, St. Johnsbury, 1909-13.

FAIRCLOUGH, ELIZABETH MARY, Died, 1912.

Fellow in Greek, 1893-94. A.B., McGill University, 1893. Private Tutor, 1898-1900.

FARNHAM, LOIS ANNA, 22 Old Lancaster Road, Bryn Mawr, Pa.

Fellow in Economics and Politics, 1901-02. A.B., Bryn Mawr College, 1900, group, History and Political Science, and A.M., 1901. Graduate Scholar in History, Political Science, and Law, Bryn Mawr College, 1900-01.

Married, 1903, *Professor David Wilbur Horn*.

FOGG, EMILY, "Longlands," Holicong, Pa.

Fellow in History, 1897-98. Wellesley College, 1889-91; A.B., University of Chicago, 1897. Graduate Scholar and Fellow by Courtesy in History, 1898-99; Fellow in Sociology, University of Pennsylvania, 1899-1900; Student, University of Pennsylvania, and Teacher of Economic Geography in Mrs. Head's School, Germantown, Philadelphia, and of History in the Misses Shipley's School, Bryn Mawr, Pa., 1900-01.

Married, 1900, *Professor Edward Sherwood Meade*.

FOSTER, ELIZABETH ANDROS, Glendale Road, Sharon, Mass.

Fellow in Latin, 1910-11. A.B., Bryn Mawr College, 1908, group, Latin and Italian and Spanish, and A.M., 1909. Graduate Scholar in Latin, Bryn Mawr College, 1908-09, and Reader in Latin and Graduate Student, 1909-10; Assistant in French and Instructor in Spanish, Wells College, 1911-13.

FOSTER, FRANCES ALLEN, 87 William Street, Providence, R. I.

Fellow in English, 1911-12. A.B., Brown University, 1909. Scholar in English, Bryn Mawr College, 1909-11; Mary E. Garrett European Fellow and Student in London and Oxford, 1912-13.

FOWLER, EUGENIA, Upper Lehigh, Pa.

Fellow in Physics, 1902-03. A.B., Bryn Mawr College, 1901, and A.M., 1902. Mistress of Llanberis, and Graduate Student, Bryn Mawr College, 1901-02; Secretary and Manager of Athletics, St. Timothy's School, Catonsville, Md., 1903-07; Manager of Low Buildings, Bryn Mawr College, 1908-09.

Married, 1909, *Mr. M. K. Neale*.

FRANCE, WILMER CAVE, Low Buildings, Bryn Mawr, Pa.

Fellow in Greek, 1892-93. Girton College, University of Cambridge, England, 1888-92, Classical Tripos, 1892; Ph.D., University of Chicago, 1895; Fellow in Latin, University of Chicago, 1893-94, and Fellow in Greek, 1894-95; Reader in Greek and Latin, University of Chicago, 1895-96; Reader in Classical Literature, Bryn Mawr College, 1897-99; Associate in Classical Literature, 1899-1901, Associate in Greek, 1901-03, 1905-06, Lecturer in Greek Literature, 1906-07, and Associate Professor of Greek, 1907-13.

Married, 1906, *Mr. J. Edmund Wright*.

FRANKLIN, SUSAN BRALEY, 33 Central Park West, New York City.

Fellow in Greek, 1889-90. A.B., Bryn Mawr College, 1889, group, Greek and Latin, and Ph.D., 1895, subjects, Greek, Latin, and Sanskrit. Fellow by Courtesy in Greek, 1890-93; Graduate Student, Bryn Mawr College, 1890-93, and second semester, 1902-03; Holder of the American Fellowship of the Association of Collegiate Alumnae, 1892-93; Instructor in Latin, Vassar College, 1893-97; American School of Classical Studies, Athens, and University of Berlin, 1898-99; Teacher of Greek and Latin in Miss Florence Baldwin's School, Bryn Mawr, Pa., 1897-98, and 1899-1904; Head of the Classical Department, Ethical Culture School, New York City, 1904-11, 1912-13.

FREHAFFER, MABEL KATHRYN,.....See page 13.
Fellow in Physics, 1909-10.

GAGE, KITTY AUGUSTA,.....New Paltz, N. Y.
Fellow in Greek, 1885-86. A.B., Boston University, 1878; A.M., Cornell University, 1885. Teacher of Latin and French in the State Normal School, New Paltz, 1893-1913.

GATES, FANNY COOK,.....1328 East 53rd Street, Chicago, Ill.
Fellow in Mathematics, 1896-97. B.S., Northwestern University, 1894, and M.S., 1895. Ph.D., University of Pennsylvania, 1909. Fellow in Mathematics, Northwestern University, 1894-95; Graduate Scholar in Mathematics, Bryn Mawr College, 1895-96; Holder of European Fellowship of the Association of Collegiate Alumnae, and Student in Mathematics and Physics, University of Göttingen, 1897-98; Graduate Student, University of Chicago, Summer Term, 1899; Instructor in Physics, Woman's College of Baltimore, 1898-1901, Associate Professor of Physics, 1901-06, and Professor of Physics, 1906-11; Research Student, McGill University, 1902-03; Research Student, Cavendish Laboratory, Cambridge, England, April to August, 1905 and 1906; Research Worker, School of Education, University of Chicago, 1911-13.

GENTRY, RUTH,.....Stilesville, Ind.
Fellow in Mathematics, 1890-91. Ph.B., University of Michigan, 1890; Ph.D., Bryn Mawr College, 1896, subjects, Mathematics and Physics. Fellow by Courtesy in Mathematics, Bryn Mawr College, 1893-94; Holder of the European Fellowship of the Association of Collegiate Alumnae, and Student in Mathematics, University of Berlin, 1891-92; Student at the Sorbonne, 1892-93; Instructor in Mathematics, Vassar College, 1894-1900, and Associate Professor of Mathematics, 1900-02; Associate Principal of Private School, Pittsburgh, Pa., and Head of Department of Mathematics, 1902-05; Volunteer nurse (unpaid), 1910-11.

GIBBONS, VERNETTE LOIS,.....See page 16.
Fellow in Chemistry, 1911-12.

GILROY, HELEN TURNBULL,.....2314 Green Street, Philadelphia.
Fellow in Physics, 1911-12. A.B., Bryn Mawr College, 1909, group, Mathematics and Physics, and A.M., 1912. Graduate Student and Student Assistant in the Physical Laboratory, Bryn Mawr College, 1910-11; Instructor in Physics, Mt. Holyoke College, 1912-13.

GOODRICH, GRACE GERTRUDE,.....Ripon, Wis.
Fellow in Latin, 1911-12. A.B., Ripon College, 1906, and A.M., 1907; A.M., University of Wisconsin, 1911. Student, American School of Classical Studies in Rome, 1909-10; University of Wisconsin, 1910-11.

GORDON, WILHELMINA,
Principal's House, Queen's University, Kingston, Ontario, Canada.
Fellow in Latin, 1906-07. M.A., Queen's University, 1905. Graduate Scholar in English, Bryn Mawr College, 1905-06; Somerville College, Oxford, England, 1908-09. Tutor in English, Queen's University, 1909-10, Fellow and Reader in English, 1910-12, and Instructor in English, 1912-13.

GRAHAM, ELLEN MAUD,.....131 Scott Street, Quebec, Canada.
Fellow in History, 1896-97. A.B., University of Toronto, 1896. Canadian Government Teacher in South Africa, 1902-04; Teacher of Modern Languages, Harriston, Ont., 1905-06; Principal of the Girls' High School, Quebec, P. Q., 1906-09.
Married, 1908, *Mr. Frederick Gourlay Millar*.

GRAHAM, MINNIE ALMIRA,.....24 Park Place, Lockport, N. Y.
Fellow in Chemistry, 1906-07, 1910-11. A.B., Mount Holyoke College, 1900; A.M., University of Michigan, 1906; Ph.D., Bryn Mawr College, 1912, subjects, Physical Chemistry, Organic Chemistry and Physics. Teacher of Mathematics and Science in the High School, Hancock, N. Y., 1900-01; and Instructor in Chemistry, Mount Holyoke College, 1902-05; Student in Physics, Massachusetts Institute of Technology, First Semester, and Teacher of Science in the High School, Braintree, Mass., 1901-02; Graduate Student, University of Michigan, and Holder of the '86 Fellowship of Mount Holyoke College, 1905-06; Professor of Chemistry, Lake Erie College, 1907-10; 1912-13, and on leave of absence, 1910-12; Graduate Scholar and Fellow by Courtesy, Bryn Mawr College, 1911-12.

GRIFFIN, HATTIE JOSEPHINE,.....North Bend, Ore.
Fellow in Latin, 1899-1900. A.B., University of Wisconsin, 1898, and A.M., 1902. Alumni Fellow in Latin, University of Wisconsin, 1898-99; Fellow in Latin, University of Wisconsin, 1901-02; Assistant in the High School, Crystal Falls, Michigan, 1902-03; Professor of Ancient and Modern Languages, Nebraska Central College, 1903-07; Principal of the High School, North Bend, 1907-09; Teacher of Latin and German in the Kinney High School, North Bend, 1909-13.

GWINN, MARY, 33 Mount Vernon Place East, Baltimore, Md.

Fellow in English, 1885-87. University of Leipsic, 1879-82; University of Zürich, 1882; Sorbonne and Collège de France, 1883. Ph.D., Bryn Mawr College, 1888. Graduate Student, Bryn Mawr College, 1887-88, and Associate in English, 1888-93; Associate Professor of English, Bryn Mawr College, 1893-97, and Professor of English, 1897-1904.

Married 1904, *Mr. Alfred Hodder*.

HAHN, DOROTHY ANNA, Box 344, South Hadley, Mass.

Fellow in Chemistry, 1907-08. A.B., Bryn Mawr College, 1899, group, Chemistry and Biology. Professor of Chemistry and Biology, Pennsylvania College for Women, Pittsburgh, Pa., 1899-1906; Professor of Biology, Kindergarten College, Pittsburgh, 1904-06; Student, University of Leipsic, 1906-07; Instructor in Chemistry, Mount Holyoke College, 1908-13.

HAINES, JANE BOWNE, Cheltenham, Pa.

Fellow in History, 1892-93. A.B., Bryn Mawr College, 1891, group, History and Political Science, and A.M., 1892. Graduate Student, Bryn Mawr College, 1891-92, 1893-94, and Associate Librarian, 1895-98; Student, New York State Library School, Albany, N. Y., 1898-99; Assistant in the Cataloguing Division, Library of Congress, Washington, D. C., 1900-03; Private Indexer and Bibliographer, 1903-13.

HAMILTON, EDITH, See page 23.

Fellow in Latin, 1894-95.

HANINGTON, FLORENCE, 159 Stanley Avenue, Ottawa, Canada.

Fellow in Mathematics, 1905-06. A.B., Trinity University, 1904. Graduate Scholar in Mathematics, Bryn Mawr College, 1904-05; Secretary of Bryn Mawr College, 1906-07.

Married, 1907, *Mr. Charles Reginald Carter*.

HARDCASTLE, FRANCES, 3 Osborne Terrace, Newcastle on Tyne, England.

Fellow in Mathematics, 1894-95. M.A., Trinity College, Dublin, 1907. Girton College, University of Cambridge, England, 1888-92; Mathematical Tripos, Part I, 1891; Part II, 1892. Graduate Student in Mathematics, Bryn Mawr College, 1892-93; Honorary Fellow in Mathematics, University of Chicago, 1893-94; Graduate Student in Mathematics, Girton College, 1895-96; Pfeiffer Student of Girton College, 1902-03; Hon. Secretary, National Union of Women's Suffrage Societies, London, 1906-09.

HARMON, ESTHER, See page 23.

Fellow in German, 1908-09.

HARPER, CARRIE ANNA, Sunderland, Mass.

Fellow in English, 1898-99. A.B., Radcliffe College, 1896, and A.M., 1898; Ph.D., Bryn Mawr College, 1910, subjects, English Language, English Literature and Spanish. Graduate Scholar in English, Bryn Mawr College, 1896-97; Graduate Student in English, Radcliffe College, 1897-98, 1906-07; Teacher of English in the Gilman School, Cambridge, Mass., 1899-1907; Instructor in English Literature, Mt. Holyoke College, 1907-11, and Associate Professor, 1911-13.

HARRIS, ELIZABETH, Clayton, Mo.

Fellow in Greek, 1890-91. A.B., Bryn Mawr College, 1890, group, Greek and Latin, and A.M., 1891. Teacher of Greek and Latin in the Collegiate Grammar School, New York City, 1891-92; Teacher of Greek and Latin in Miss Florence Baldwin's School, Bryn Mawr, Pa., 1892-96.

Married, 1896, *Professor Edward Harrison Keiser*.

HARRISON, ELIZABETH,

Mickleton, Queen's Drive, Mossly Hill, Liverpool, England.

Fellow in Greek, 1906-07. Liverpool University College, 1897-98; Newnham College, University of Cambridge, England, 1898-1902; Classical Tripos, Part I, 1901; Part II, 1902; Classical Mistress, Koedean School, Brighton, England, 1902-06; Temporary Assistant Lecturer in Latin, University of Liverpool, and Private Tutor, 1908-11.

Married, 1911, *Mr. Percy Fallowfield Kipling*.

HARRISON, JANE ANNETTA, See page 23.

Fellow in German, 1909-10.

HAZEN, ANNAH PUTNAM, 68 Washington Square, New York City.

Fellow in Biology, 1898-99. L.B., Smith College, 1895; S.M., Dartmouth College, 1897. Graduate Student in Biology, Dartmouth College, 1895-96; Graduate Scholar in Biology, Bryn Mawr College, 1897-98; Teacher of Biology in the State Normal School, Plymouth,

N. H., 1899-1900; Assistant in Zoology, Smith College, 1900-03; Teacher of Biology in the Wadleigh High School, New York City, 1903-09; First Assistant in Biology in the Eastern District High School, Brooklyn, New York City, 1909-13.

HAZLEWOOD, CHARLOTTE WILLIAMS, 161 Allen Avenue, Lynn, Mass.

Fellow in Greek, 1898-99. A.B., Wellesley College, 1891. Teacher of Greek and Latin in the Classical High School, Lynn, 1891-96; Graduate Student, Yale University, 1896-97, and Graduate Scholar, 1897-98; Substitute Head of Greek and Latin Department, Pennsylvania College for Women, Pittsburgh, Pa., Second Semester 1910; Literary and Artistic Work, Book Designing, 1910-12.

HENRY, MARGARET EDITH, 1108 East 62nd Street, Chicago, Ill.

Fellow in Philosophy, 1900-01. A.B., University of Nebraska, 1898, and A.M., 1900; A.M., Radcliffe College, 1902; Ph.D., Columbia University, 1906. Graduate Scholar in Philosophy, University of Nebraska, 1898-99, and Fellow, 1899-1900; Graduate Student, Radcliffe College, 1901-02; Graduate Student, Columbia University, 1904-06.

Married, 1904, *Dr. Alvin Saunders Johnson*.

HICKS, AMY MAUD, 33 Downside Crescent, Hampstead, London, England.

Fellow in Greek, 1904-05. A.B., University of London, 1900, and A.M., 1901. Student, Girton College, University of Cambridge, England, 1895-99, Classical Tripos, Part I, 1898, Part II, 1899; Student, University College, London, 1900-02; Teacher of Classics in St. Mary's College, Paddington, London, 1906-09.

HIGHET, MARY ELIZABETH, Cobourg, Ontario, Canada.

Fellow in German and Teutonic Philology, 1896-97. A.B., Victoria University, 1891, and A.M., 1892; Ph.M., Cornell University, 1894, and Ph.D., 1895. Teacher of Modern Languages, Bowmansville High School, 1892-93; Professor of Modern Languages and History, State Normal School, New Paltz, N. Y., 1897-1900; University of Berlin, 1901-02; Professor of German, Elmira College, 1902-12.

HILL, SARAH D., Richmond, Ind.

Fellow in Teutonic Philology, 1904-05. A.B., Earlham College, 1901. Graduate Scholar, Bryn Mawr College, 1903-04; Assistant in German and French, Earlham College, 1905-08.

Married, 1908, *Mr. Milton D. Baumgartner*.

HOOPER, EDITH SOPHIA, . . Heathersby, Chislehurst Road, Kent, England.

Fellow in English, 1900-01. M.A., University of Edinburgh, 1900, Honours in Philosophy, 1899, in English, 1900.

HOPKINS, MARY DELIA, Clinton, N. Y.

Fellow in English, 1896-97. A.B., Bryn Mawr College, group, English and German, and A.M., 1896. Reader in English, and Graduate Student, Bryn Mawr College, 1897-98, and Reader in English, 1899-1901; Teacher of Latin and English in the Granger Place School, Canandaigua, N. Y., 1902-04; Teacher of English in the Balliol School, Utica, N. Y., 1901-02, and of English, German, and Latin, 1905-07; Teacher of English and Latin in Miss Davidge's School, New York City, and Private Tutor, 1904-05; Teacher of Latin, German, and English in the Veltin School, New York City, 1908-13, and Graduate Student, Columbia University, 1908-11.

HOWELL, JEAN KIRK, 123 West 7th Street, Plainfield, N. J.

Fellow in Biology, 1891-92. Ph.B., Cornell University, 1888, and S.M., 1890. Assistant in Botany, Barnard College, 1892-96; Teacher of Science in the Phillips High School, Watertown, Mass., 1898-99; Teacher of Science in Miss Ingol's School, Cambridge, Mass., 1899-1905, and in the Plainfield Seminary, Plainfield, 1905-12.

HUGHES, WINONA ALICE, Holden Hall, University of Wooster, Wooster, O.

Fellow in Chemistry, 1900-01. Ph.B., University of Wooster, 1891. Graduate Student, Cornell University, Summer School, 1894; Harvard University, Summer School, 1895; University of Chicago, 1897-99; Teacher of Science in the Public Schools, Marion, O., 1892-97, and in the High School, Mansfield, O., 1899-1900; Teacher of Science in the High School, Ottumwa, Ia., 1901-02; Teacher of Chemistry and Zoology in the High School, Mansfield, 1902-06; Instructor in Chemistry, Mt. Holyoke College, 1906-11; Field Secretary, University of Wooster, 1911-12, and Dean of Women, 1912-13.

HUTCHINSON, ANABELLE ROXBURGH,

Brookside, Catterick, Yorkshire, England.

Fellow in Romance Languages, 1899-1900. Newnham College, University of Cambridge, England, 1895-99; Mediæval and Modern Languages Tripos, 1898; Sorbonne, 1900-01; Assistant Librarian, University Library, Cambridge, 1902-05; Assistant Lecturer in

French, Newnham College, 1904-06; Examiner in French and Italian, Joint Board Matriculation, 1909-12; Examiner in Spanish, Cambridge Local Examinations and Schools for the same Board, 1912-13.

HYDE, IDA H.,.....Lawrence, Kan.

Fellow in Biology, 1892-93. S.B., Cornell University, 1891; Ph.D., University of Heidelberg, 1896. Student Assistant in Biology, Bryn Mawr College, 1891-92; Holder of the European Fellowship of the Association of Collegiate Alumnae, and Student in Biology, University of Strassburg, 1893-94; Holder of the Phebe Hunt Fellowship of the Association of Collegiate Alumnae, and Student in Biology, University of Heidelberg, 1894-96; Teacher of Science in Miss Ingol's School, Cambridge, Mass., 1898-99; Professor of Physiology, and Head of Department of Physiology, University of Kansas, 1899-1913.

HYDE, WINIFRED FLORENCE,.....1039 C Street, Lincoln, Neb.

Fellow in Philosophy, 1902-04. A.B., University of Nebraska, 1900. Scholar in Philosophy University of Nebraska, 1900-01; University of Denver, Summer of 1901; Teacher in the High School, Lincoln, Neb., 1901-02; Scholar in Philosophy, Cornell University, 1904-05; Holder of the European Fellowship of the Boston Woman's Educational Association and Student at the University of Jena, 1905-11; Instructor in Philosophy, University of Nebraska, 1911-13.

ISHAM, MARY KEYT,.....849 Oak Street, Walnut Hills, Cincinnati, O.

Fellow in Philosophy, 1899-1900. A.B., Wellesley College, 1894; A.M., University of Cincinnati, 1898; M.D., Laura Memorial Medical College, 1903. Graduate Student in Philosophy and Psychology, University of Cincinnati, 1897-98; Graduate Student in Philosophy and Psychology, University of Chicago, 1898-99; Lecturer on Psychology and Student, Laura Memorial Medical College, Cincinnati, 1900-03; Interne and House Physician at the Presbyterian Hospital, Cincinnati, 1903-04; Physician, 1904-12; Secretary, Academy of Medicine of Cincinnati, 1907-08; Assistant Physician, Columbus State Hospital, Columbus, O., 1908-12.

JARVIS, MAY MASON,.....Asarco, Durango, Mexico.

Fellow in Biology, 1909-10. A.B., University of Texas, 1906, and A.M., 1908. Tutor in Zoology, University of Texas, 1907-09, 1910-11.

Married, 1911, *Mr. George S. Newell*.

JONES, LAURA LUCINDA,.....Box 353, Cobourg, Ontario, Canada.

Fellow in English, 1894-95. A.B., University of Toronto, 1891. Teacher of Modern Languages in the Collegiate Institute, Kingston, Ont., 1895-97; Teacher of English, and Student in German in the Höhere Töchter Schule Tegel, Eberswalde, Berlin, 1897-98; Teacher of English, French, and German in the Collegiate Institute, Cobourg, 1898-1909; Member of the Board of the Public Library, Cobourg, 1904-08.

KELLOGG, ANGIE LILLIAN,.....See page 16.

Fellow in Philosophy, 1911-13.

KEYS, FLORENCE V.,.....College Avenue, Poughkeepsie, N. Y.

Fellow in Greek, 1891-92; Fellow in English, 1892-93. A.B., University of Toronto, 1891. Examiner in English, University of Toronto, 1894-95; Reader in English, Bryn Mawr College, 1893-97, and Graduate Student in English, 1895-96; University of Oxford, England, 1897-98; University of Berlin, 1898-99; Reader in English, College Entrance Examination Board, 1900-02; Student, University of Munich, 1904-05; Instructor in English, Vassar College, 1899-1904, and Associate Professor of English, 1904-12.

KING, GEORGIANA GODDARD,.....Low Buildings, Bryn Mawr, Pa.

Fellow in Philosophy, 1896-97; Fellow in English, 1897-98. A.B., Bryn Mawr College, and George W. Childs Prize Essayist, 1896, group, Political Science and Philosophy, and A.M., 1897. Student at the Collège de France, First Semester, 1898-99; Teacher of English, Philosophy, and History of Art in the Misses Graham's School, New York City, 1899-1906; Reader in English, Bryn Mawr College, 1903-11; Lecturer in the History of Art and Comparative Literature, 1911-13.

KING, HELEN DEAN,.....17 Elliott Avenue, Bryn Mawr, Pa.

Fellow in Biology, 1897-98. A.B., Vassar College, 1892; Ph.D., Bryn Mawr College, 1901, subjects, Morphology, Palæontology, and Physiology. Graduate Student in Biology, Vassar College, and Assistant in the Biological Laboratory, 1894-95; Graduate Scholar in Biology, Bryn Mawr College, 1895-96, and Graduate Student in Biology, 1896-97 and 1901-06, and Fellow by Courtesy in Biology, 1898-1901; Teacher of Science in Miss Florence Baldwin's School, Bryn Mawr, Pa., 1899-1907; University Fellow for Research in Zoology, University of Pennsylvania, 1906-08; Investigator, Wistar Institute of Anatomy and Biology, Philadelphia, 1908-09, Assistant in Anatomy, 1909-10, and Associate in Anatomy, 1910-13.

- KING, HELEN MAXWELL**,.....See page 19.
Fellow in Romance Languages, 1909-10.
- KING, LIDA SHAW**,.....8 Cushing Street, Providence, R. I.
Fellow in Greek, 1899-1900. A.B., Vassar College, 1890; A.M., Brown University, 1894; D.Lit., Mt. Holyoke College, 1912. Fellow in Greek, Vassar College, 1894-95; Instructor in Greek and Latin, Vassar College, 1895-97; Graduate Student in Greek and Greek History, Harvard University, 1897-98; Instructor in Latin, Packer Collegiate Institute, Brooklyn, New York City, 1898-99; Student, American School of Classical Studies, Athens, 1899-1901; Holder of the Agnes Hoppin Memorial Fellowship, 1900-01; Director of Classical Department, Packer Collegiate Institute, 1901-02; Dean of the Women's College, and Assistant Professor of Classical Philology in Brown University, 1905-09; Dean of the Women's College and Professor of Classical Literature and Archaeology, 1910-13.
- KING, MARIE SEWARD**,.....1515 Broad Street, Grinnell, Ia.
Fellow in German, 1910-11. A.B., Olivet College, 1907, and A.M., 1908. Professor of German and French, Des Moines College, 1908-09; Graduate Student, Bryn Mawr College, 1909-10, and Substitute Reader in French, March to June, 1910; Instructor in French, Grinnell College, 1911-12, and in German, 1912-13.
- LAIRD, ELIZABETH REBECCA**,.....See page 24.
Fellow in Physics, 1897-98.
- LAMBERTON, HELEN**,.....753 Corinthian Avenue, Philadelphia.
Fellow in Physics, 1908-09. A.B., Bryn Mawr College, 1907, group, Mathematics and Physics, and A.M., 1908. Graduate Scholar in Physics, Bryn Mawr College, 1907-08; Graduate Student, University of Pennsylvania, and Teacher of Physics in the Girls' High School, Philadelphia, 1909-10; Teacher of Mathematics in the Germantown High School for Girls, Philadelphia, 1910-13.
- LANGENBECK, CLARA**,.....See page 24.
Fellow in Biology, 1895-96.
- LANSING, RUTH**,.....53 Crawford Street, Roxbury, Mass.
Fellow in Romance Languages, 1911-12. A.B., Radcliffe College, 1908, and A.M., 1909. Graduate Student, Radcliffe College, 1908-09, 1912-13; Instructor in Wells College, September to November, 1909.
- LEFTWICH, FLORENCE**,.....See page 24.
Fellow in Romance Languages, 1902-03.
- LEWIS, FLORENCE PARTHENIA**,.....See page 24.
Fellow in Philosophy, 1898-99.
- Longbottom, Gertrude**,.....The Hollies, Louth, Lincolnshire, England.
Fellow in Mathematics, 1897-98. Girton College, University of Cambridge, England, 1893-97; Mathematical Tripos, Part I, 1896; Part II, 1897. M.A., Trinity College, Dublin, 1905. Teacher of Latin in the Municipal Technical School, Louth, 1899-1900, and Teacher of Mathematics, 1900-06; Governor of King Edward VI Girls' Grammar School, Louth, 1909-12; Manager of the Louth British (Elementary) School, 1904-12; Private Tutor, 1909-10.
- LORD, ELEANOR LOUISA**;.....2326 North Charles Street, Baltimore, Md.
Fellow in History, 1889-90, 1895-96. A.B., Smith College, 1887, and A.M., 1890; Ph.D., Bryn Mawr College, 1898, subjects, History and Political Science. Instructor in History, Smith College, 1890-94; Holder of the European Fellowship of the Women's Educational Association of Boston, and Student in History, Newnham College, University of Cambridge, England, 1894-95; Instructor in History, Woman's College of Baltimore, 1897-1901; Associate Professor, 1901-04, and Professor of History, 1904-11; President of the History Teachers' Association of Maryland, 1908-09; Dean of Goucher College, 1911-13.
- LOVELL, HELEN LOUISA**,.....Hardin College, Mexico, Mo.
Fellow in Greek, 1887-88. A.B., University of Michigan, 1887. Graduate Student, University of Michigan, 1888-89; Teacher of Latin and History in the Girls' Classical School, Indianapolis, Ind., 1889-90; Associate in Greek and Latin, Woman's College of Baltimore, 1890-91; and Associate Professor, 1891-93; Acting Professor of Greek and Latin, Earlham College, 1893-94; Graduate Student, University of Chicago, 1894-

95, and Fellow in Greek, 1895-96; Professor of Greek, Hardin College, Mexico, 1896-1900, Professor of Greek and Philosophy, 1900-05, and Professor of Latin and Greek, 1905-13.

Married, 1896, *Mr. John Wilson Million*.

LOWATER, FRANCES, Rockford College, Rockford, Ill.

Fellow in Physics, 1896-97. B.Sc., University of London, 1900; Ph.D., Bryn Mawr College, 1906, subjects, Physics, Mathematics and Applied Mathematics. University College, Nottingham, England, 1888-91, 1892-93; Newnham College, University of Cambridge, England, 1891-92; Demonstrator in Physics, Bryn Mawr College, 1893-96, 1897-98, 1899-1905, and 1907-10; Graduate Scholar in Physics, 1897-98, and Graduate Student in Physics and Mathematics, 1894-96, 1899-1900; Secretary of Bryn Mawr College, 1898-99; Acting Associate Professor of Physics, the Western College, Oxford, O., 1910-11; Professor of Physics, Rockford College, 1911-13; Volunteer Research Assistant, Yerkes Observatory, Summer, 1911.

LUNDIE, ELIZABETH HELEN, 36 Fort Street, Montreal, Canada.

Fellow in Physics, 1905-06. A.B., McGill University, 1903, and M.Sc., 1904. Assistant in Chemistry in the High School, Montreal, 1908-13.

MACDONALD, MARGARET BAXTER, State College, Pa.

Fellow in Chemistry, 1898-99. Pennsylvania State College, 1893-95; B.S., Mt. Holyoke College, 1898; Ph.D., Bryn Mawr College, 1902, subjects, Chemistry and Physiology. Student Assistant in Chemical Laboratory, Mt. Holyoke College, 1895-97; Graduate Scholar in Chemistry and Physiology, Bryn Mawr College, 1897-98, and Pepper Fellow in Chemistry, University of Pennsylvania, 1899-1900; Graduate Scholar and Fellow by Courtesy in Chemistry, Bryn Mawr College, 1900-01; Teacher of Chemistry and Physics, Asheville College, Asheville, N. C., 1901-02; Professor of Chemistry, New Jersey State Normal School, 1902-04; Instructor in Chemistry, Vassar College, 1905-06; Assistant Chemist, Delaware College Experimental Station, 1906-07; Instructor in Chemistry, Pennsylvania State College, 1907-10, and Assistant Professor of Agricultural Chemistry, 1910-13.

MACLEOD, ANNIE LOUISE, See page 13.

Fellow in Chemistry, 1909-10; Research Fellow in Chemistry, 1910-12.

MADDISON, ISABEL, See page 24.

Fellow in Mathematics, 1893-94.

MANN, CARRIE ALICE, Died, 1905.

Fellow in Mathematics, 1903-04. A.B., Wellesley College, 1893. Graduate Student, Bryn Mawr College, and Teacher of Mathematics in the Misses Kirk's School, Rosemont, Pa., 1901-03; Teacher of Mathematics in Mrs. Chapman and Miss Jones's School, Chestnut Hill, Philadelphia, 1904-05.

MARCUSE, BELLA,

370 Oxford Avenue, Notre Dame de Grace, Montreal, Canada.

Fellow in Chemistry, 1904-05. A.B., McGill University, 1900, and M.Sc., 1903. Student, University of Breslau, 1900-01; Assistant, McGill Model School, Montreal, Canada, January to June, 1904; Student in French, McGill University, 1905-07, and Private Tutor, 1905-08; Recording Secretary of the National Council of Women of Canada, 1908-11.

Married, 1908, *Mr. Douglas McIntosh*.

MARTIN, EMILIE NORTON, See page 25.

Fellow in Mathematics, 1895-96.

MASON, GERTRUDE HELEN, 2627 Channing Way, Berkeley, Cal.

Fellow in English, 1887-88. Ph.B., University of Michigan, 1876, and Ph.M., 1888. Graduate Student in English, University of Michigan, 1888-89; Teacher of English in the High School, Petaluma, Cal., 1889-95, in the High School, San Diego, Cal., 1895-96; Graduate Student in English, Leland Stanford, Jr., University, 1896-97, and 1900-01; Assistant to Dr. Ewald Flügel on Chaucer Lexicon, 1904-05; Teacher of English in the Kern County High School, Bakersfield, Cal., 1897-98, and in the Union High School, Haywards, Cal., 1899-1900; Private Tutor in English, 1900-02, 1905-12.

MATHEWS, IRENE MAUD, .. Holly House, Duke Street, Sheffield, England.

Fellow in Physics, 1910-11. Girton College, University of Cambridge, England, 1906-10; First Class Honours, Cambridge Mathematical Tripos, Part I, 1909, and Part II, 1910. Assistant Mistress, the High School for Girls, Manchester, England, 1911-13.

MCCAIN, GERTRUDE IONA, Delphi, Ind.

Fellow in Mathematics, 1911-12. A.B., Indiana State University, 1908, and A.M., 1911. Teacher in the High School, Delphi, 1897-99; Principal of the Friends' High School, Salem, Ind., 1908-09; Teaching Fellow in Mathematics, Indiana State University, 1910-11; Instructor in Mathematics and English in the High School, Delphi, 1913.

McNAIR, GRACE ELIZABETH, Brodhead, Wis.

Fellow in History, 1900-01. L.B., University of Wisconsin, 1898, and L.M., 1899. Assistant in History in the High School, Madison, Wis., 1899-1900; Assistant in Latin, German, and History in the High School, Brodhead, 1902-04.

MERRILL, KATHARINE, Boston Normal School, Boston, Mass.

Fellow in English, 1890-91. A.B., University of Kansas, 1889. Graduate Student in English, Bryn Mawr College, 1889-90; Harvard Annex, 1891-92; Assistant Professor of English Language and Literature, University of Illinois, 1892-97; Fellow in English, University of Chicago, 1897-98; Teacher of English, Austin High School, Chicago, Ill., 1898-1903; Teacher of the History of Literature in the Leland Powers School of the Spoken Word, Boston, 1905-08; Teacher in the Department of Expression and Reading, Boston Normal School, 1908-11.

MILES, CAROLINE, Bloomingdale, Ind.

Fellow in History, 1891-92. A.B., Earlham College, 1887; A.M., University of Michigan, 1890, and Ph.D., 1892. Teacher of Latin in the Friends' Academy, Bloomingdale, Ind., 1888-89; University of Michigan, 1889-91; Instructor in Philosophy and Political Economy, Mt. Holyoke College, 1892-93; Tutor in History, Wellesley College, 1893-94, and Instructor in Psychology, 1894-95; University Extension Work, Chicago, 1897-1900; Assistant Reference Librarian, John Crerar Library, Chicago, 1900-04; Principal of Friends' Academy, Bloomingdale, 1911-12.

Married, 1895, *Mr. William Hill*.

MILLMAN, MABEL HELEN,

46 Hampton Court, Avenue Road, Toronto, Ontario, Canada.

Fellow in French, 1908-09. A.B., University of Toronto, 1907. Graduate Student, University of Toronto, June, 1907, to January, 1908, 1910-12; Teacher of History in the Westbourne School, Toronto, January to June, 1908, and of Latin in Havergal College, Toronto, April to June, 1908; English Essay Reader, University of Toronto, and Private Tutor, 1911-13.

Married, 1912, *Dr. Clarence Meredith Hincks*.

MORRISS, MARGARET SHOVE, 1904 Mt. Royal Avenue, Baltimore, Md.

Fellow in History, 1907-08. A.B. Woman's College of Baltimore, 1904. Holder of Foundation Scholarship, Bryn Mawr College, 1904-06; Holder of the Alumnae Fellowship of the Woman's College of Baltimore and Research Student at the Public Record Office, London, 1906-07; Instructor in History, Mt. Holyoke College, 1908-13.

MORSE, KATE NILES, See page 25.

Fellow in Greek, 1900-01.

MORY, RUTHELLA BERNARD, The Somerset, Baltimore, Md.

Fellow in History, 1899-1900. A.B., Woman's College of Baltimore, 1897; Ph.M., University of Chicago, 1899. Student in English and History, University of Oxford, England, 1897-98; Graduate Student in History and History of Art, University of Chicago, 1898-99; Student, London School of Economics, 1900; Research Work in History in the British Museum and in the Public Record Office, London, 1900-02; Writer on History, 1910-11.

Married, 1903, *Mr. Arthur Barneveld Bibbins*.

NEILSON, NELLIE, Mt. Holyoke College, South Hadley, Mass.

Fellow in History, 1894-95. A.B., Bryn Mawr College, 1893, group, Greek and English, A.M., 1894, and Ph.D., 1899, subjects, History and English. Graduate Student, Bryn Mawr College, 1893-94, 1895-96, 1900-01; Holder of the American Fellowship of the Association of Collegiate Alumnae, 1895-96; Research Work in History in Cambridge, England, and in the Public Record Office, London, 1896-97; Teacher of History in Miss Irwin's School, Philadelphia, 1897-1900; Private Research Work, 1897-1905; Reader in English, Bryn Mawr College, 1900-02; Instructor in History, Mt. Holyoke College, 1902-03; Acting Professor of European History, 1903-04, and Professor of History, 1904-13; in England on leave of absence, 1908-09, Second Semester, 1911-12.

NICHOLS, ELIZABETH, 1918 North Pennsylvania Street, Indianapolis, Ind.

Fellow in Biology, 1893-94. A.B., Bryn Mawr College, 1893, group, Chemistry and Biology. Graduate Student, Bryn Mawr College, 1894-95; Teacher of Science in the Girls' High School, Philadelphia, 1895-96; Secretary of the Indianapolis Branch of the Needlework Guild of America, 1897-08.

Married, 1896, *Mr. Charles W. Moores*.

NORTHWAY, MARY ISABEL,

Lifton Villa, Shaughnessy Heights, Vancouver, B. C., Canada.

Fellow in Physics, 1900-01. A.B., University of Toronto, 1898. Ontario Normal College, 1898-99; Graduate Scholar in Physics, Bryn Mawr College, 1899-1900; Student of Domestic Science, 1901-02; Assistant in Physics Department, Smith College, 1902-03.

Married, 1904, *The Rev. R. J. Wilson*.

NOWLIN, NADINE, See page 25.

Fellow in Biology, 1905-06.

O'GRADY, MARCELLA I., Würzburg, Bavaria.

Fellow in Biology, 1887-89. S.B., Massachusetts Institute of Technology, 1885. Teacher of Science in the Bryn Mawr School, Baltimore, Md., 1885-87; Demonstrator in Biology, Bryn Mawr College, 1888-89; Associate Professor of Biology, Vassar College, 1889-93, and Professor of Biology, 1893-96.

Married, 1897, *Professor Theodore Boveri*.

OLSEN, SOPHIE YHLEN, Rektorboligen, Roskilde, Denmark.

Fellow in Teutonic Philology, 1899-1900. A.B., Bryn Mawr College, 1898, group, Greek and Latin, and A.M., 1899. A.M., University of Copenhagen, 1902. Graduate Scholar in English and Teutonic Philology, Bryn Mawr College, 1898-99; Student, Universities of Copenhagen and Leipsic, 1900-01; University of Copenhagen, 1901-02; Teacher of English Literature in the Zahle Institute for Teachers, Copenhagen, 1905-11; and Teacher of English in the State College for Teachers, Copenhagen, 1908-10.

Married, 1902, *Dr. Henrik Bertelsen*.

PARKER, EMMA HARRIET, Charlestown, N. H.

Fellow in Chemistry, 1893-94. B.S., Smith College, 1887. Graduate Student in Chemistry, Bryn Mawr College, 1892-93, and Graduate Scholar in Chemistry, 1894-95; Instructor in Chemistry, Wellesley College, 1895-97; Teacher of Science in the High School, New Bedford, Mass., 1897-1900; Teacher of Chemistry in the High School, Newton, Mass., 1900-13; Student of Chemistry, the Sorbonne and University of Berlin, 1909-10.

PARRIS, MARION, See page 25.

Fellow in Economics and Politics, 1905-06.

PASCHALL, ANNIE GOODE, Died, 1895.

Fellow in Greek, 1894-95. A.B., Vanderbilt University, 1894.

PEEBLES, FLORENCE, See page 25.

Fellow in Biology, 1896-97.

PEEBLES, ROSE JEFFRIES, Vassar College, Poughkeepsie, N. Y.

Fellow in English, 1907-08. A.B., Mississippi State College for Women, 1891. Ph.D., Bryn Mawr College, 1911. University of Chicago, Summer, 1897, 1898, 1905; Harvard University, Summer, 1902; Columbia University, Summer, 1903; Graduate Student in English, Bryn Mawr College, 1906-07, and Graduate Scholar and Fellow by Courtesy in English, 1908-09; Special Research Scholar and Student, British Museum and Bodleian Library, Oxford, Summer, 1909; Instructor in English, Vassar College, 1909-13.

PERKINS, ELIZABETH MARY, See page 25.

Fellow in Latin, 1902-03.

PERRY, LORINDA, See page 16.

Fellow in Economics and Politics, 1911-13.

PETTY, MARY, 211 South Ashe Street, Greensboro, N. C.

Fellow in Chemistry, 1895-96. S.B., Wellesley College, 1885. Teacher of Latin, Guilford College, 1888-93; Teacher of Chemistry and Physics in the State Normal and Industrial College, Greensboro, 1893-95, and 1896-99, and Head of Department of Chemistry, 1899-1913.

PINNEY, MARY EDITH, See page 26.

Fellow in Biology, 1910-11.

POTTS, LAURETTE EUSTIS, 155 East 22nd Street, New York City.

Fellow in English, 1899-1900. Mistress of Pembroke Hall East, Bryn Mawr College, 1895-96. A.B., Bryn Mawr College, 1897, group, Latin and English. Sorbonne and Collège de France, 1896-97; Graduate Student, Bryn Mawr College, 1897-98, Reader in English, 1897-99; Student, University of Munich, 1900-01.

Married, 1905, *Mr. Lewis Frederic Pease*.

- PURDIE, ELEANOR, Ortler, Prestbury, Gloucestershire, England.
Fellow in Greek, 1895-96. Newnham College, University of Cambridge, England, 1890-94; Classical Tripos, Part I, First Class, 1893; Part II, 1894; Ph.D., University of Freiburg, 1897. Holder of the Marion Kennedy Studentship, and Student in Indo-European Philology, University of Freiburg, 1894-95; Classical Mistress in the Notting Hill High School, London, 1897-98; Head Classical Tutor, Cheltenham Ladies' College, Cheltenham, England, 1898-1913.
- RABOURN, SARA BREWER FRANCIS, Centralia, Mo.
Fellow in Mathematics, 1906-07. A.B., University of Missouri, 1902, and A.M., 1904. Scholar in Mathematics, University of Missouri, 1903-04; Assistant Principal and Teacher of Mathematics in the High School, Fredericktown, Mo., 1907-08, and Principal 1908-09; Head of the Mathematical Department in the High School, Hannibal, Mo., 1909-11; Student, American School of Classical Studies, Rome, Winter Term, 1911-12, and Newnham College, Cambridge, England, Spring Term, 1912.
- RAGSDALE, VIRGINIA, See page 26.
Fellow in Mathematics, 1902-03.
- RAND, MARIE GERTRUDE, See page 17.
Fellow in Philosophy, 1909-10, and Fellow in Psychology, 1910-11.
- RANDOLPH, HARRIET, See page 20.
Fellow in Biology, 1889-90.
- REED, BERTHA, 847 East 56th Street, Chicago, Ill.
Fellow in Teutonic Philology, 1906-07. Illinois Woman's College, 1893-96. Ph.B., De Pauw University, 1898, and A.M., 1900. University of Berlin, Winter Semester, 1902-03. University of Zürich, 1903, 1903-04; Instructor in German, Bradley Polytechnic Institute, Peoria, Ill., 1907-09.
Married, 1909, *Mr. George Raleigh Coffman*.
- REED, MARGARET ADALINE, 1931 East 31st Street, Baltimore, Md.
Fellow in Biology, 1908-09. A.B., Woman's College of Baltimore, 1901. Graduate Student in Biology, Bryn Mawr College, 1901-03, and Graduate Scholar, 1902-03. Wood's Holl Laboratory, Summers of 1900 and 1902; Assistant in Zoological Laboratory, Columbia University, 1903-05; University of Zürich, Summer, 1906; Assistant in Zoology, Columbia University, 1903-06; Lecturer in Physiology, New York Medical College for Women, and Barnard College, 1904-07; Instructor in Biology, Barnard College, 1907-08; Student in Berlin Königliches Institut für Infektionskrankheiten, Summer, 1908; Research Work in Johns Hopkins University Medical Department, 1910-11; Instructor in Anatomy and Physiology, Johns Hopkins Training School for Nurses, Spring Semester, 1911-12.
Married, 1910, *Dr. Warren H. Lewis*.
- REIMER, MARIE, See page 26.
Fellow in Chemistry, 1899-1900, 1901-02.
- REYNOLDS, GRACE POTTER, 98 Bedford Street, Stamford, Conn.
Fellow in Chemistry, 1908-09. A.B., Smith College, 1904; A.M., Columbia University, 1905; Ph.D., Bryn Mawr College, 1911, subjects, Organic Chemistry, Physical and Inorganic Chemistry and Physics. Graduate Student, Columbia University, 1904-05; Assistant in Chemistry, Barnard College, 1906-08; Graduate Student, Bryn Mawr College, 1909-10; Research Worker in Chemistry, Barnard College, 1910-12.
- REYNOLDS, MINNIE BEATRICE, 244 Myrtle Avenue, San Francisco, Cal.
Fellow in Greek, 1897-98. A.B., University of California, 1895, and A.M., 1897. Instructor in Greek and Latin in the High School, Centerville, Cal., 1896-97; Fellow by Courtesy in Greek, Bryn Mawr College, 1898-99; Teacher of Latin in the Misses Shipley's School, Bryn Mawr, Pa., 1898-99; Instructor in Latin, Vassar College, 1899-1900; Instructor in Greek in the High School, Los Angeles, Cal., 1900-01; Teacher of Greek and Latin in the High School, San Francisco, 1901-03.
Married, 1903, *Mr. James A. Kinkead*.
- RITCHIE, MARY HELEN, Died, 1905.
Fellow in Latin, 1898-99. A.B., Bryn Mawr College, 1896, group, Greek and Latin. A.M., 1897, and Ph.D., 1902, subjects, Latin and Greek. Graduate Scholar in Greek and Latin, Bryn Mawr College, 1896-97. Graduate Student, 1897-98; Secretary of Bryn Mawr College, 1899-1904.

- ROCK, AMY CORDOVA, 1455 Belmont Street, Washington, D. C.
Fellow in Chemistry, 1894-95. A.B., Bryn Mawr College, 1893, group, Physics and Chemistry. Assistant in Chemical Laboratory and Graduate Student, Bryn Mawr College, 1893-94; Student, University of Heidelberg, 1895-96; and University of Berlin, 1896-97; President, Washington Branch of the Association of Collegiate Alumnae, 1909-10.
Married, 1899, *Mr. Frederick Leslie Ransome.*
- SALMON, LUCY MAYNARD, Poughkeepsie, N. Y.
Fellow in History, 1886-87. A.B., University of Michigan, 1876, and A.M., 1883. Teacher of History in the Indiana State Normal School, 1883-86; Associate Professor of History, Vassar College, 1887-89, and Professor of History, 1889-1913.
- SANDISON, HELEN ESTABROOK, See page 12.
Fellow in English, 1908-09.
- SATTERTHWAITE, SARAH E., 2037 Franklin Avenue, Toledo, O.
Fellow in Greek, 1886-87. A.B., University of Michigan, 1886. Assistant in Greek and Latin, Hope College, Holland, Mich., 1887-88; Private Tutor in Greek and Latin, 1898-1900.
Married, 1890, *Dr. Francis Alexander Leslie.*
- SCHAEFFER, HELEN ELIZABETH, See page 26.
Fellow in Physics, 1904-05.
- DE SCHWEINITZ, AGNES JULIA,
11 Cummings Apartments, First and D Streets, Salt Lake City, Utah.
Fellow in Teutonic Philology, 1902-03. A.B., Bryn Mawr College, 1899, group, German and French, and A.M., 1900. Graduate Scholar in Teutonic Philology, Bryn Mawr College, 1899-1900; Teacher of German in the Portland School, Portland, Ore., 1900-01; University of Leipsic, 1901-02; Teacher of German in the Bryn Mawr School, Baltimore, Md., 1903-08.
Married, 1908, *Mr. Edward Robins Zalinski.*
- SEWALL, HANNAH ROBIE, Forest Glen, Md.
Fellow in History, 1888-89. A.B., University of Minnesota, 1884, and Ph.D., 1898; A.M., University of Michigan, 1887. Fellow by Courtesy in History, Bryn Mawr College, 1889-90; Assistant in Political Science, University of Minnesota, 1893-1901; Assistant, Boston Children's Aid Society, 1904-07.
- SHAPIRO, REBECCA, Marshfield, Wis.
Fellow in Romance Languages, 1900-01. L.B., University of Wisconsin, 1898, and L.M., 1900. Graduate Student, University of Wisconsin, 1899-1900; Assistant Principal of the High School, Grand Rapids, Wis., 1902-03.
Married, 1904, *Mr. Richard Strauss.*
- SHEARER, EDNA ASTON, See page 26.
Junior Fellow in Philosophy, 1904-05; Fellow in Philosophy, 1906-07.
- SHEAVYN, PHOEBE, A.B.,
Ashburne Hall, Fallowfield, Manchester, England.
Fellow in English, 1895-96. Scholar, University College of Wales, Aberystwyth, Wales, 1887-89, and 1892-94; B.A., University of London, 1889; M.A., 1894, and D.Litt., 1906. Member of Governing Court of University of Wales; Reader in English, Bryn Mawr College, 1894-95; Lecturer and Tutor in English Literature to the Association for Promoting the Education of Women in Oxford, England, 1896-1905; Resident Tutor and Lecturer in English, Somerville College, University of Oxford, England, 1897-1905. Member of Governing Committee of Women's University Settlement, Southwark, London, 1900-07; Member of Council of University College of Wales, Tutor for Women Students, University of Manchester, Warden of Women's Hall of Residence and Lecturer in English Literature, 1907-13.
- SHOEMAKER, JANE CUSHING, Died, 1910.
Fellow in Economics and Politics, 1909-10. A.B., Bryn Mawr College, 1905, group History and Economics and Politics, and A.M., 1910. Graduate Student, Bryn Mawr College, 1907-08.
- SHUTE, HELEN WINIFRED, 25 Fourth Street, Bangor, Me.
Fellow in Teutonic Philology, 1893-94. A.B., Smith College, 1887. Assistant in German, Smith College, 1887-93; Fellow by Courtesy in Teutonic Philology, Bryn Mawr College, 1894-95; Student in Teutonic Philology, University of Göttingen, 1895-99; Alumna Trustee of Smith College, 1902-05.
Married, 1900, *Mr. Warren J. Moulton.*

- SINCLAIR, ALICE**, Wailuku, Maui, H. I.
Fellow in Teutonic Philology, 1903-04. Ph.B., Oberlin College, 1889. Teacher of German and Science in the Kent Place School, Summit, N. J., 1900-02; Student, University of Marburg, 1902-03; Teacher of German and English, Brockport State Normal School, Brockport, N. Y., 1904-05, and of French and German, 1905-06.
Married, 1906, *The Rev. Rowland Backus Dodge*.
- SMITH, AMELIA CATHERINE**, 4515 Regent Street, Philadelphia.
Fellow in Biology, 1900-01. S.B., University of Pennsylvania, 1899. Graduate Scholar in Biology, Bryn Mawr College, 1899-1900; Demonstrator in Zoology, University of Pennsylvania, 1901-02; Graduate Student, University of Pennsylvania, 1904-06.
Married, 1901, *Mr. Philip Powell Calvert*.
- SMITH, EUNICE CLARA**, 395 South River Street, Wilkes Barre, Pa.
Fellow in English, 1909-10. A.B., Brown University, 1907, and A.M., 1909. Graduate Student, Bryn Mawr College, 1910-11; Teacher of French in Wilkes Barre Institute, Wilkes Barre, Pa., 1911-13; Student of Music, 1911-13.
- SMITH, EVA MARIA**, The Ladies' College, Cheltenham, England.
Fellow in Mathematics, 1908-09. Newnham College, University of Cambridge, 1904-08, Graduate in Honours, First Class, Cambridge Mathematical Tripos, Part I, 1907, and Part II, 1908; Lecturer in Mathematics at the Ladies' College, Cheltenham, 1910-13.
- SMITH, MINNA STEELE**, Newnham College, Cambridge, England.
Fellow in Teutonic Philology, 1894-96. Newnham College, University of Cambridge, 1890-94; Mediæval and Modern Languages Tripos, First Class, 1893. Assistant Lecturer in English, Newnham College, 1896-98; Staff Lecturer in Mediæval and Modern Languages, Newnham College, 1898-1903, and Director of Studies in Mediæval and Modern Languages, 1905-12; Lecturer in English, Girton College, University of Cambridge, 1898-1903, and 1906-11.
- SOUTHWORTH, EFFIE A.**, Loma Linda, Cal.
Fellow in Biology, 1885-86. S.B., University of Michigan, 1885. Student Assistant in the Biological Laboratory, Bryn Mawr College, 1886-87; Assistant Mycologist of the United States Agricultural Bureau, Washington, D. C., 1887-92; Assistant in Botany Barnard College, 1892-95; Working for the Carnegie Institution, Washington, 1910-11.
Married, 1896, *Mr. Volney Morgan Spalding*.
- SPALDING, MARY CAROLINE**, Cranford, N. J.
Fellow in English, 1910-11. A.B., Vassar College, 1901. Graduate Student, Bryn Mawr College, 1906-08, and Graduate Scholar, 1908-10; Fellow by Courtesy, and Graduate Scholar, 1911-12; Teacher in the Misses Shipley's School, Bryn Mawr, 1901-10, and Assistant to the Misses Shipley and Tutor, 1912-13.
- SPENCER, FANNIE GRACE CLARA**, 1811 S. Third Street, Terre Haute, Ind.
Research Fellow in Chemistry, 1909-10. B.S., University of Illinois, 1908, and A.M., 1909. Teacher of Science and Bookkeeping in the East Chicago High School, 1910-11.
- STEVENS, NETTIE MARIA**, See page 27.
Fellow in Biology, 1902-03.
- STEWART, ANNE AMELIA**, 28 South Street, Halifax, N. S.
Fellow in Mathematics, 1886-87. University College, London, 1880-82; B.Sc., Dalhousie College, 1886. Teacher of Mathematics in Miss Mary E. Stevens's School, Germantown, Philadelphia, 1888-93, 1895-96; Student in Mathematics and Physics, Newnham College, University of Cambridge, England, 1893-95; Teacher of Mathematics in the Stevens' School, Germantown, 1896-99; Private Tutor, 1900-03, 1908-09; Teacher of Mathematics, St. Margaret's College, Toronto, Canada, 1903-04; Teacher of Mathematics, Miss Knox's School, Briarcliff Manor, N. Y., 1905-06.
- STOCKING, RUTH JENNINGS**, 803 Eutaw Street, Baltimore, Md.
Fellow in Biology, 1911-12. A.B., Goucher College, 1910. Graduate Student, Johns Hopkins University, 1910-11, and Fellow in Zoology, 1912-13.
- STREET, JENNETTE ATWATER**, 47 Lakeview Avenue, Cambridge, Mass.
Fellow in Latin, 1895-96. A.B., University of Toronto, 1895. Teacher of Classics, St. Margaret's College, Toronto, Canada, 1897-1901.
Married, 1901, *Professor Edward C. Jeffrey*.
- SWEET, MARGUERITE**, 250 West 72nd Street, New York City.
Fellow in English, 1891-92. A.B., Vassar College, 1887; Ph.D., Bryn Mawr College, 1892, subjects, English and Teutonic Philology. Graduate Student in Teutonic Philology and English, Bryn Mawr College, 1889-90, Graduate Scholar in Teutonic Philology,

1890-91; Instructor in English, Vassar College, 1892-97; Professor of English Literature, Mt. Holyoke College, 1897-99; Teacher of English in the Misses Ely's School, New York City, 1899-1905; Principal of the Hawthorne School, New York City, 1906-13.

SWINDLER, MARY HAMILTON, See page 20.
Fellow in Greek, 1907-09.

TAYLOR, LILY ROSS, Vassar College, Poughkeepsie, N. Y.
Fellow in Latin, 1907-08. A.B., University of Wisconsin, 1906. Ph.D., Bryn Mawr College, 1913, subjects Latin and Classical Archaeology. Student, University of Bonn and American School of Classical Studies, Rome, 1909-10; Graduate Scholar in Latin, Bryn Mawr College, 1906-07; Graduate Student in Greek and Latin, and Reader in Latin, 1908-09; Reader and Demonstrator in Archaeology, 1910-12; Instructor in Latin, Vassar College, 1912-13.

THOMPSON, CHARLOTTE DE MACKLOT, The Terraces, Camden, S. C.
Fellow in Romance Languages, 1896-97. A.B., Bryn Mawr College, 1896, group, Greek and French, and A.M., 1897.

THOMPSON, FRANCES D'ARCY,
Jumna Bridge, Hamirpur, United Provinces, India.

Fellow in Greek, 1911-12. Girton College, University of Cambridge, England, 1903-06. Graduate in Honours, First Class, Classical Tripos, Part I, 1906. M.A., Royal University of Ireland, 1907; Examiner in Latin, Royal University of Ireland, 1907-08; Classical Mistress in the High School, Portsmouth, England, 1906-08; Classical Teacher, Rosemary Hall, Greenwich, Conn., 1908-10; Reader in Latin, and Graduate Student, Bryn Mawr College, 1910-11.

Married, 1912, *Mr. Robert J. Hallidy.*

TIBBALS, KATE WATKINS, Clinton, Conn.

Fellow in English, 1901-02. A.B., Wellesley College, 1899; Ph.D., University of Pennsylvania, 1904. Graduate Scholar in English, Bryn Mawr College, 1900-01; Fellow in English, University of Pennsylvania, 1902-03, and University Fellow, 1903-04; Instructor in English, Wellesley College, 1904-05; Instructor in English Literature, Vassar College, 1905-09; Associate Professor of English, Wells College, 1909-12.

TORELLE, ELLEN, 151 West Wilson Street, Madison, Wis.

Fellow in Biology, 1903-04. Ph.B., University of Minnesota, 1901, and A.M., 1902. Graduate Scholar, Bryn Mawr College, 1902-03; Dean of Milwaukee-Downer College and Professor of Biology, 1905-08; Scholar of the Naples Table Association for Promoting Scientific Research by Women, 1909; Research Worker in Biology, 1912-13.

Married, 1912, *Mr. Lewis Bernard Nagler.*

TOWLE, ELIZABETH WILLIAMS, The Baldwin School, Bryn Mawr, Pa.

Fellow in Biology, 1899-1900. A.B., Bryn Mawr College, 1898, group, Chemistry and Biology, and A.M., 1899. Graduate Scholar in Physics and Biology, Bryn Mawr College, 1898-99; Teacher of Science in the High School, Middletown, Conn., 1900-01; Instructor in Biology, Rockford College, Rockford, Ill., 1901-03; Fellow in Physiology, University of Chicago, 1903-04; Graduate Student, Columbia University, 1904-06; Teacher of Physiology in Miss Jacobi's School, New York City, 1904-05; Teacher of Science in the Baldwin School, Bryn Mawr, 1907-13.

TRAYER, HOPE, See page 27.

Fellow in English, 1903-04.

URDAHL, MARGERETHE, Charleston, Ill.

Fellow in Teutonic Philology, 1900-02, and Special Fellow in Teutonic Philology, 1902-03, L.B., University of Wisconsin, 1896, and Ph.D., Bryn Mawr College, 1904, subjects, Teutonic Philology, German Literature and Sanscrit. Student, University of Berlin, 1898 and 1899; University of Heidelberg, Summer Term, 1899; University of Christiania, October, 1899; Teacher of German and Latin in the Chelton Hills School, Wyncote, Pa., 1903-04; Teacher of German and History, Eastern Illinois State Normal School, Charleston, Ill., 1905-06.

Married, 1906, *Mr. Lewis Albert Anderson.*

VAN DEMAN, ESTHER BOISE, 2514 Thirteenth Street, Washington, D. C.

Fellow in Latin, 1892-93. A.B., University of Michigan, 1891, and A.M., 1892; Ph.D., University of Chicago, 1898. Instructor in Latin, Wellesley College, 1893-95; Teacher of Latin in the Bryn Mawr School, Baltimore, Md., 1895-96; Fellow in Latin, University of Chicago, 1896-98; Acting Professor of Latin, Mt. Holyoke College, 1898-99, and Associate Professor of Latin, 1899-1901; American School of Classical Studies, Rome, 1901-03; Associate Professor of Latin, the Woman's College, Baltimore, 1903-06; Fellow in Classical Archaeology of the Carnegie Institution, Rome, 1906-09, and Research Associate of the Carnegie Institution of Washington, 1910-13.

- WADDELL, MARY EVELYN GERTRUDE**,.....Orono, Ontario, Canada.
Fellow in Mathematics, 1904-05. A.B., University of Toronto, 1903, and A.M., 1904. Graduate Scholar in Mathematics and Physics, Bryn Mawr College, 1903-04; Instructor in Mathematics in St. Margaret's College, Toronto, 1906-12, and Graduate Student, University of Toronto, 1906-11.
- WALKER, ANNA MARTHA**, 1136 South Alvarado Street, Los Angeles, Cal.
Fellow in Latin, 1905-06. A.B., Bryn Mawr College, 1895, group, Greek and Latin; A.M., Leland Stanford, Jr., University, 1901. Teacher of English in the National Institute for Girls, Guatemala City, Central America, 1896-97; Graduate Student, Leland Stanford, Jr., University, 1897-98, 1900-01; Graduate Student, Bryn Mawr College, Second Semester, 1898-99; Teacher in the Misses Wylie's School, Mt. Holly, N. J., 1899-1900; Teacher of Latin and French in the High School, Ogden, Utah, 1901-02, and Teacher of Latin and Spanish, 1902-04; Student, American School of Classical Studies, Rome, 1904-05; Teacher of Greek in the High School, Los Angeles, Cal., 1906-13.
- WARREN, WINIFRED**,.....See page 27.
Fellow in Latin, 1893-94.
- WEEKS, EULA ADELINE**,.....Butler, Mo.
Fellow in Mathematics, 1909-10. A.B. and B.S., University of Missouri, 1908, and A.M., 1909. Teacher in the High School, Rich Hill, Mo., 1901-05; Teacher of Mathematics in the Misses Shipley's School, and Graduate Student in Mathematics, Bryn Mawr College, 1910-12; Instructor in Mathematics, Mt. Holyoke College, 1912-13.
- WERGELAND, AGNES MATHILDE**,.....Laramie, Wyo.
Fellow in History, 1890-91. Studied under the Direction of Prof. Konrad Maurer, Munich, 1884-86; University of Zürich, 1888-90; Ph.D., University of Zürich, 1890. Reader in History of Art, Bryn Mawr College, 1891-93; Docent in History, University of Chicago, 1896-1902, and Non-Resident Reader in History, University Extension Division, 1903-05, and Non-Resident Instructor, 1906-09; Professor of History and French, University of Wyoming, 1902-09, and of History and Spanish, 1909-12.
- WHITE, FLORENCE DONNELL**,.....Vassar College, Poughkeepsie, N. Y.
Fellow in French, 1907-08. A.B., Mt. Holyoke College, 1903, and A.M., 1907. Student, University of Paris, 1903-04; Graduate Scholar in Romance Languages, Bryn Mawr College, 1906-07; Instructor in French; Vassar College, 1908-13.
- WILKINSON, ANNIE LYNDESAV**,
623 Westview Street, Germantown, Philadelphia.
Fellow in Mathematics, 1899-1900. A.B., Vassar College, 1897, and A.M., 1898. Graduate Scholar, Vassar College, 1897-98. Babbott Fellow of Vassar College, and Graduate Scholar in German and Mathematics, Bryn Mawr College, 1898-99; Instructor in Mathematics, Vassar College, 1900-02.
Married, 1902, *Dr. Joseph Head*.
- WILLIAMS, ELLA CORNELIA**,.....609 West 127th Street, New York City.
Fellow in Mathematics, 1885-86. A.M., University of Michigan, 1880. Studied under Professor Schwarz, Göttingen, Germany, 1883-85; Newnham College, University of Cambridge, England, Spring Term, 1884; Teacher of Mathematics in Miss Moses's School, New York City, 1886-87; Teacher of Mathematics in the State Normal School, Plymouth, N. H., 1887-89; Teacher of Mathematics in Miss Spence's School, New York City, 1892-1913.
- WILLIS, GWENDOLEN BROWN**,.....941 Lake Avenue, Racine, Wis.
Fellow in Greek, 1902-04. A.B., University of Chicago, 1896, Ph.D., Bryn Mawr College, 1906, subjects, Greek and Archaeology. Graduate Student, University of Chicago, 1900-01; American School of Classical Studies, Athens, 1901-02; Professor of Greek, Milwaukee-Downer College, and Teacher of Latin in Milwaukee-Downer Seminary, 1904-13; Student in Columbia University, on leave of absence, 1910-11.
- WINSTON, MARY FRANCES**, 1620 Massachusetts Street, Lawrence, Kan.
Fellow in Mathematics, 1891-92. A.B., University of Wisconsin, 1889; Ph.D., University of Göttingen, 1897; Teacher of Mathematics, Downer College, 1889-91; Honorary Fellow in Mathematics, University of Chicago, 1892-93; Holder of the European Fellowship of the Association of Collegiate Alumnae, 1895-96; Student in Mathematics, University of Göttingen, 1893-96; Professor of Mathematics, Kansas State Agricultural College, 1897-1900.
Married, 1900, *Mr. Henry Byron Newson*.
- WOOD, IDA**,.....2038 Spring Garden Street, Philadelphia.
Fellow in English, 1888-89. A.B., Vassar College, 1877, and A.M., 1889; Ph.D., Bryn Mawr College, 1891. Graduate Student in English, Bryn Mawr College, 1887-88, 1889-90, and Fellow by Courtesy in English, 1890-91; Secretary of the Woman's Department, University of Pennsylvania, 1892-93; Secretary of the Bryn Mawr School, Baltimore, Md., 1894-96.

SUMMARY OF FELLOWSHIPS AWARDED.

EUROPEAN FELLOWSHIPS.	Founded.	Number of Holders.
Bryn Mawr European.....	By the Trustees in 1885.....	23
Mary E. Garrett European.....	By Miss Garrett in 1904.....	17
President M. Carey Thomas		
European.....	By Miss Garrett in 1896.....	15
Anna Ottendorfer Memorial Research Fellowship in Teutonic Philology.....	By Mrs. Anna Woerishoffer in 1907.....	4
Bryn Mawr Research, given by anonymous donor in 1906.....		1
Special European, given by anonymous donor in 1909.....		1

Total number of European Fellows, omitting duplicates.....60

RESIDENT FELLOWSHIPS.	Founded by the Trustees in	Number of Holders.
In Greek.....	1885.....	23**††
In Latin.....	1892.....	19
In English.....	1885.....	23*§
In Teutonic Philology.....	1893.....	13††
In Romance Languages.....	1893.....	13§
In History and Economics and Politics.....	1885.....	26§
In Philosophy.....	1896.....	9§§
In Archæology.....	1909.....	1§
In Mathematics.....	1885.....	22
In Physics.....	1896.....	12
In Chemistry.....	1893.....	16††
In Biology.....	1885.....	21
Research Fellowship in Chemistry.....	1907.....	3†

Total number of Resident Fellows, omitting duplicates.....195

Total..... 255†

* Two students have held Fellowships in English who also held Fellowships in other subjects.

† Two of these students previously held a Fellowship in Chemistry.

‡ Of these twenty-nine have held both European and Resident Fellowships.

§ One student held this Fellowship for two years.

** One of these students previously held a Fellowship in Latin and one a Fellowship in English.

†† Two students held this Fellowship for two years.

§§ Three students held this Fellowship for two years.

BRYN MAWR COLLEGE.

GRADUATE COURSES OF INSTRUCTION.

BRYN MAWR COLLEGE, situated at Bryn Mawr, Pennsylvania, five miles from Philadelphia, was endowed by Dr. Joseph W. Taylor of Burlington, New Jersey, who purposed founding an institution of learning for the advanced education of women which should afford them "all the advantages of a college education that are so freely offered to young men." In the spring of 1885 the first program was issued, and the college opened for instruction in the following autumn.

Three classes of persons are admitted to the lectures and class work of the college—graduate students, undergraduate students, and hearers. For the convenience of graduate students the regulations of the graduate department and the graduate courses of instruction are published separately. No undergraduates are admitted to graduate courses.

Regulations of the Graduate Department.

From the first it has been the policy of the Trustees of Bryn Mawr College to organise no department in which they could not provide for graduate as well as undergraduate study. Only such instructors have been chosen as are qualified to direct both graduate and undergraduate work. In each department a consecutive series of graduate courses pursued throughout three years provides preparation in the chief or major subject of the examination for the degree of Doctor of Philosophy, and certain courses may be pursued for one or two years and offered as one of the two minor or secondary subjects.

Admission.

Graduate students must have presented a diploma from some college of acknowledged standing.* They may pursue any

* The certificates of the women's colleges of the English universities of Oxford and Cambridge, are regarded as equivalent to a first degree,—i. e., to the degree of Bachelor of Arts.

courses offered by the college for which their previous training has fitted them; but they must satisfy the several instructors of their ability to profit by the courses they desire to follow, and may be required to pursue certain introductory or auxiliary studies before they are admitted to the advanced or purely graduate courses. They are, moreover, entitled to personal guidance and direction, supervision of their general reading and furtherance of their investigations, from the instructors, and their needs will be considered in the arrangement of new courses of lectures; they must consult the President in regard to the courses they are to pursue, and must be duly registered for those courses at the President's office.

A reading knowledge of French and German is regarded as of the utmost importance to all graduate students, and is required of all candidates for a second degree. The undergraduate department will afford the student every opportunity for making good any deficiencies in this respect.

Fellowships and Scholarships.

The most distinguished place among the graduate students is held by the Fellows, who must reside in the college during the academic year. Fifteen resident fellowships, of the value of five hundred and twenty-five dollars each, are awarded annually in Greek, Latin, English, German and Teutonic Philology, Romance Languages, Semitic Languages and Biblical Literature, History, Economics and Politics, Philosophy, Archæology, Mathematics, Physics, Chemistry, Geology, and Biology. They are open for competition to graduates of Bryn Mawr College, or of any other college of good standing, and will be awarded only to candidates who have completed at least one year of graduate work after obtaining their first degree. The fellowships are intended as an honor, and are awarded in recognition of previous attainments; generally speaking, they will be awarded to the candidates that have studied longest or to those whose work gives most promise of future success.

The holder of a fellowship is expected to devote at least one half her time to the department in which the fellowship is awarded, and to show, by the presentation of a thesis or in some other manner, that her studies have not been without

result. All fellows may study for the degree of Doctor of Philosophy, the fellowship being counted, for this purpose, as equivalent to the degree of Bachelor of Arts. Fellows that continue their studies at the college after the expiration of the fellowship, may, by a vote of the directors, receive the rank of Fellows by Courtesy.

Fellows are expected to attend all college functions, to wear academic dress, to assist in the conduct of examinations, and to give about an hour a week to the care of special libraries in the halls of residence and in the seminaries, but no such service may be required of them except by a written request from the president's office; they are not permitted, while holding the fellowship, to teach, or to undertake any other duties in addition to their college work. Fellows are required to reside in the college and are assigned rooms by the Secretary of the College. They are charged the usual fee of four hundred and five dollars for tuition, board, room rent, and infirmary fee.

Twenty Graduate Scholarships, of the value of two hundred dollars each, may be awarded to candidates next in merit to the successful candidates for the fellowships; they are also open for competition to graduates of Bryn Mawr College, or of any other college of good standing. Scholars are expected to reside in the college, to attend all college functions, to wear academic dress and assist in the conduct of examinations.

One Graduate Scholarship in Political Theory of the value of two hundred and fifty dollars was founded in 1910 in memory of Susan B. Anthony, and is awarded to the candidate wishing to devote herself to studies in political theory whose work shows most promise of future success.

Ten Graduate Scholarships, of the value of four hundred and five dollars each were founded in 1909 and are open, five to English, Scotch, or Irish women, and five to German women, whose academic work is equivalent to that denoted by the Bachelor's degree of an American college or university of acknowledged standing. The amount of the scholarship, four hundred and five dollars, covers the fees for tuition, board, residence, and infirmary fee for the academic year. A furnished single room is assigned to each scholar, but this is not available in the Christmas and Easter vacations when scholars

who remain at the college have to pay the expenses of board and residence at approximately the same rate as is charged for graduate students during the academic year.

Application for resident fellowships or scholarships should be made as early as possible to the President of the College, and must be made not later than the fifteenth* of April preceding the academic year for which the fellowship or scholarship is desired. Blank forms of application will be forwarded to the applicants. A definite answer will be given within two weeks from the latest date set for receiving applications. Any original papers, printed or in manuscript, which have been prepared by the applicant and sent in support of her application, will be returned, when stamps for that purpose are enclosed, or specific directions for return by express are given. Letters or testimonials from professors and instructors will be filed for reference.

The Anna Ottendorfer Memorial Research Fellowship in German and Teutonic Philology of the value of seven hundred dollars applicable to the expenses of one year's study and residence at some German university is awarded annually to a graduate student who has completed at least one year of graduate study at Bryn Mawr College. The fellowship will be awarded to the candidate who has pursued the most advanced work, or whose studies afford the most promise of future success. She must show such proficiency in her studies or in independent work as to furnish reason to believe that she will be able to conduct independent investigations in the field of Teutonic Philology or German.

Two European fellowships, founded by Miss Garrett, of Baltimore, are open to graduate students who are enrolled as candidates for the degree of Doctor of Philosophy. One, founded in 1896, and named by the donor the President M. Carey Thomas Fellowship, is awarded annually on the ground of excellence in scholarship to a student in her first year of graduate work at Bryn Mawr College; the other, founded in 1894,

* In the case of candidates for the Scholarships open to British and German women applications must be received by May the first. Applications for the scholarships should be accompanied by full particulars of the candidate's academic work by diplomas or certificates and by letters of recommendation from professors and should be addressed in the case of British candidates to the President of Bryn Mawr College, Bryn Mawr, Pennsylvania, U. S. A., and in the case of German candidates to Seiner Excellenz dem Herrn Staatssekretär des Innern, Reichsamt des Innern, Berlin, Germany.

and known as the Mary E. Garrett Fellowship, is awarded annually on the ground of excellence in scholarship to a student still in residence who has for two years pursued graduate studies at Bryn Mawr College. These fellowships, of the value of five hundred dollars each, are intended to defray the expenses of one year's study and residence at some foreign university, English or Continental. The choice of a university may be determined by the holder's own preference, subject to the approval of the Faculty.

Studies Leading to a Second Degree.

Graduates of Bryn Mawr College, and graduates of other colleges, who shall have satisfied the Academic Council that the course of study for which they received a degree is equivalent to that for which the degree of Bachelor of Arts is given at Bryn Mawr College, or who shall have attended such additional courses of lectures as may be prescribed, may apply to the Academic Council to be enrolled as candidates for the degree of Doctor of Philosophy and Master of Arts; admission to the graduate school does not, in itself, qualify a student to become a candidate for this degree. A separate degree of Master of Arts is open to graduates of Bryn Mawr College, but to them only.

The Degree of Master of Arts.

The candidate for the degree of Master of Arts must be a Bachelor of Arts of Bryn Mawr College and must have studied for one full year in the graduate school of Bryn Mawr College, devoting herself to systematic advanced work approved by the Graduate Committee of the Academic Council. The candidate must submit her proposed course of study for the approval of this committee on or before the second Wednesday in November. She must pass a special written examination on each subject to the satisfaction of the department in which she has studied, and must announce her candidacy to the President not later than the first day of May in the academic year in which the degree is to be conferred.

The Degree of Doctor of Philosophy and Master of Arts.

The degree of Doctor of Philosophy and Master of Arts may be conferred upon graduates of Bryn Mawr College, and upon graduates of other colleges who shall have satisfied the Academic Council either that the course of study for which they received a degree is equivalent to that for which the degree of Bachelor of Arts is given by Bryn Mawr College, or that it has been adequately supplemented by subsequent study.

The candidate must have pursued for at least three years after having received the first degree a course of liberal (non-professional) study at some college or university approved by the Academic Council, and must have spent at least two of these years at Bryn Mawr College. The course of study leading to the degree of Doctor of Philosophy and Master of Arts must consist of one principal, or major, subject and one or two subordinate, or minor, subjects and must be divided between at least two departments. Two-thirds of the candidate's time should be spent on the major subject and the remaining one-third on the minor subject or subjects, and the suggested combination of major and minor subjects for the final examination must have been submitted for approval to the Graduate Committee. The candidate may be required to pursue certain auxiliary studies in connection with the subject that she has elected; and the degree of Doctor of Philosophy is given to no one who cannot read French and German, or who is unacquainted with Latin. The candidate must have written, on some subject connected with her major subject of study, a dissertation approved by the Faculty that bears satisfactory evidence of original research and must pass written examinations and an oral examination in the presence of the members of the Faculty on both major and minor subjects. These examinations are held after the dissertation has been accepted by the department in which it is offered and must be taken within the academic year in which the candidate applies for the degree. The degree is not conferred until the candidate has satisfied the above requirements and deposited one hundred and fifty printed copies of her dissertation, bound according to a prescribed model, in the office of the Secretary of the College, and one copy specially bound for deposit in the library. The

degree of Doctor of Philosophy will in no case be conferred by the college as an honorary degree.

Expenses.

For graduate students attending six or more hours a week of lectures, and for fellows and graduate scholars the tuition fee is one hundred and twenty-five dollars a year, payable half-yearly in advance. For other graduate students who do not wish to devote all their time to graduate work the fees are as follows, payable in advance: for one hour a week of lectures, ten dollars a semester; for two hours a week of lectures, twenty dollars a semester; for three hours a week of lectures, thirty dollars a semester; and for four or five hours a week of lectures, forty dollars a semester.* This arrangement is made especially for non-resident graduate students, but those who wish to take five hours a week of lectures, or less may live in the college halls on the understanding that they must give up their rooms if needed for students who are taking the full amount of graduate work and paying the regular tuition fee. The tuition fee for the semester becomes due as soon as the student is registered in the college office. No reduction of this fee can be made on account of absence or for any other reason whatsoever. Graduate students are admitted to residence or to attendance on lectures at any time during the year, and in this case a proportionate reduction is made in the charges for board and room-rent and for tuition. Every student who enters the college must register immediately at the comptroller's office, and must register her courses at the president's office within two weeks after entrance under penalty of exclusion from the college. Any change made later in the courses registered must be

* The fees charged are reckoned on the basis of the actual hours of conference or lecture, irrespective of the number of undergraduate hours to which the course is regarded as equivalent.

In counting the number of hours for which a graduate is registered the following special arrangements are made in regard to laboratory courses: payment for a one hour lecture course in a scientific department entitles the student to four hours of laboratory work in addition with no extra charge except the laboratory fee. Students registered for laboratory work only, are charged the following tuition fee: for each two and one-half hours of undergraduate laboratory course and for each five hours of graduate laboratory course the same fee as for a one hour lecture course. The laboratory fees as stated on page 54 are charged in addition to the charge for tuition.

reported immediately to the president's office, or the courses will not be permitted to count, and a charge of one dollar will be made for each change made in the course after it has been definitely registered.

Graduate students taking courses in scientific departments (Physics, Chemistry, Geology, Biology, and Psychology) amounting to six or more hours a week of lecture courses or its equivalent in laboratory courses are charged a laboratory fee of eighteen dollars a semester with the following exceptions: if the student takes, as a regular student, courses in subjects not enumerated above amounting to six hours a week the laboratory fee is reduced to twelve dollars a semester; and if she takes, as a regular student, courses in subjects not enumerated above amounting to ten hours a week the laboratory fee is reduced to six dollars a semester.

Graduate students taking less than six hours a week of lectures, or its equivalent in laboratory work, are charged a laboratory fee of ten dollars a semester for every laboratory course of four or more hours a week, and of five dollars a semester for every laboratory course of less than four hours a week.

In courses in geology each hour of field work counts as one hour of laboratory work.

Residence.

Residence in the college buildings is optional except for holders of resident fellowships and scholarships. In each hall of residence, except Merion Hall, a special wing or corridor is reserved for graduate students, and in order to secure entire quiet no undergraduate students are permitted to engage rooms in the graduate wings. The expense of board and residence in the graduate wings of the college halls is two hundred and seventy-five dollars. Of this amount two hundred dollars is the charge for board, and is payable half-yearly in advance; the remainder is room rent, and is payable yearly in advance. Every student has a separate bedroom. Room-rent includes all expenses of furnishing, service, heating, and light.

Plans and descriptions of the academic buildings and of the halls of residence, Merion Hall, Radnor Hall, Denbigh Hall, Pembroke Hall West, Pembroke Hall East, and Rockefeller Hall, with a full account of the halls and tariff of rooms, are published as Part 4 of the Bryn Mawr College Calendar and may be obtained by application to the Secretary of the College. Each of the halls of residence (except Pembroke, which has a common dining-hall and kitchen for the two wings) has its separate kitchen and dining-hall, provides accommodation for from sixty to seventy students, and is under the charge of a resident warden.

Application for rooms should be made as early as possible. The demand for graduate rooms is very great, and since every room unnecessarily reserved may prevent some other student from entering the college, a deposit of fifteen dollars is required in order that the application may be registered. In case the applicant enters the college in the year for which the room is reserved, the amount of the deposit is deducted from the first college bill. If she changes the date of her application or files formal notice of withdrawal at the secretary's office before July fifteenth of the year for which the application is made, the deposit will be refunded. If, for any reason whatever, the change or withdrawal be made later than July fifteenth, the amount will be forfeited. Students making application for a room in February forfeit the deposit if they do not file formal notice of withdrawal at the secretary's office before December first of the academic year for which the room is reserved. In order to make application for a room it is necessary to sign a room-contract, which will be sent on application, and return it with the fee of fifteen dollars to the Secretary of the College. A deposit of fifteen dollars must also be made by each student in residence in order to insure the tenure of her room for the following academic year. This sum will be forfeited if formal notice of withdrawal is not filed at the secretary's office on or before May first of the current year.

Every applicant giving up later than the first of September the room or suite of rooms assigned to her for the ensuing academic year is responsible for the rent thereof for the whole year. Every applicant for a room in February will be responsible for the rent of the room or suite of rooms assigned to her for one semester, unless she gives formal notice of withdrawal to the Secretary before the first of January. The charges for room rent are not subject to remission or deduction under any circumstances, being considered forfeit in case of withdrawal for any cause whatever. The applicant is not entitled to relet the rooms thus left vacant, but this right the college reserves to itself. No refund will be made to the applicant in case the room or suite of rooms thus left vacant is relet by the college. Any student who changes her room is required to pay an extra fee of fifteen dollars.

Students are expected to provide their own rugs and towels, but in every other respect the rooms are completely furnished. Electric reading lamps, table napkins, sheets, etc., are provided by the college. No part whatever need be taken by the students in the care of their own rooms.

There are open fire-places in nearly all the studies and in many single rooms, but the rooms are sufficiently heated by steam. The air in each room is changed every ten minutes, and the temperature is regulated by a thermostat in each room. The students' personal washing may be done by any laundry recommended by the college for 50 cents a dozen, or about \$8 a half-year for one dozen pieces a week.

No charge is made for sending meals to students that are in the infirmary by the order of a physician.

Accommodation is provided for graduate students that wish to remain at the college during the Christmas and Easter vacations at \$1.25 a day or \$8.75 a week.

The health of the students is under the charge of a Health Committee consisting of the President, the Dean of the College, the Director of Athletics, the Senior Warden, and the physicians of the college.

The Visiting Physician of the College is in her office in the college during the hours from four to six of every afternoon, except Sunday, and may be consulted by the students without charge.

Every student entering the college will be vaccinated unless she can furnish satisfactory proof that she has been successfully vaccinated not more than two years previously.

The conduct of the students in all matters not purely academic, or affecting the management of the halls of residence, or the student body as a whole, is in the hands of the Students' Association for Self-Government, which was organised in 1892. All persons studying in Bryn Mawr College, whether graduates or undergraduates, are members of this association.

The college reserves the right to exclude at any time students whose conduct or academic standing renders them undesirable members of the college community, and in such cases the fees due to the college are not refunded or remitted.

In 1893 the Bryn Mawr Graduate Club was organised by the graduate students then in residence, its object being to further the social life of the graduate students and to facilitate interchange of opinion with other colleges and universities doing graduate work. A room in Denbigh Hall is set apart by the college to be used by the members as a club-room. Informal meetings are frequently held in these rooms, and several times during the year the club invites the Faculty and friends of the college to larger social gatherings, which are addressed by well-known speakers.

Summary of Expenses of Graduate Students.

Tuition for the semester, payable on registration:

For one hour* a week of lectures.....	\$ 10.00
For two hours a week of lectures.....	\$ 20.00
For three hours a week of lectures.....	\$ 30.00
For four or five hours a week of lectures.....	\$ 40.00
For six or more hours a week of lectures.....	\$ 62.50

Room-rent for the academic year, payable on registration.....\$ 75.00

Board for the semester payable on registration.....\$100.00

Total expenses for the academic year:

Tuition fee, for six or more hours a week of lectures.....	\$125.00
Room-rent.....	\$ 75.00
Board.....	\$200.00
Infirmary fee.....	\$ 5.00

Total for tuition, residence, and infirmary care for the academic year..\$405.00

Laboratory fees for the academic year.....\$10 to \$36

Students whose fees are not paid before November first in the first semester and before March first in the second semester are not permitted to continue in residence or in attendance on their classes.

THE STUDENTS' LOAN FUND OF BRYN MAWR COLLEGE was founded by the Class of 1890 for the purpose of receiving contributions, however small, from those who are interested in aiding students to obtain an education. The money thus contributed is distributed in the form of partial aid, and as a loan. It is as a rule applied to the assistance of those students only who have attended courses in the college for at least one year. The Fund is managed by a committee consisting of the President of the College and representatives of the Alumnae Association of Bryn Mawr College. The committee reports yearly to the Board of Trustees and to the Alumnae Association. The committee consists of the following members: President M. Carey Thomas; Miss Martha G. Thomas, Secretary and Treasurer, Bryn Mawr College; Mrs. Bernard Todd Converse, Ardmore, Pa.; Miss Anne Hampton Todd, 2115 Spruce Street, Philadelphia; Mrs. Edward Wyatt Evans, 151 East Coulter Street, Germantown, Philadelphia, and Miss Ethel Pew, Morris Avenue, Bryn Mawr, Pa. Contributions may be sent to any member of the committee. Applications for loans should be sent to the Treasurer of the committee, and all applications for loans for any given year should be made before May 1st of the preceding academic year.

Libraries.

The fact that the college is situated in the suburbs of Philadelphia enables the student to make use of all the resources of the libraries of Philadelphia, as well as those of the college proper.

The college library has been collected within the past twenty-seven years, and is designed to be, as far as possible, a library for special study. There are at present on its shelves about sixty-

* See footnote page 53.

seven thousand bound volumes, and ten thousand dissertations and pamphlets, the collection including the classical library of the late Professor Sauppe, of Göttingen, which was presented to the college in 1894, and the Semitic library of the late Professor Amiaud, of Paris, acquired in 1892. A more detailed description of these two collections may be found on pages 66 and 91.

The sum of about seven thousand dollars is expended yearly for books under the direction of the heads of the several collegiate departments, and, in addition to many gifts of books, about twenty thousand dollars has been presented to the library during the past ten years for expenditure in special departments. Over four hundred publications and reviews in the English, German, Greek, French, Italian, Spanish, Norse, and Swedish languages, are taken by the library, as follows:

General and Miscellaneous Periodicals.

- | | |
|--|---|
| Abhandlungen der Königlich Bayerischen Akademie der Wissenschaften zu München. | Fortnightly Review. |
| Academy. | Forum. |
| American Magazine. | Göttingische Gelehrte Anzeigen. |
| *Amherst Graduates' Quarterly. | Harper's Monthly Magazine. |
| Annales Politiques et Littéraires. | Harper's Weekly. |
| Athenæum. | Harvard Graduates' Magazine. |
| Atlantic Monthly. | L'Illustration. |
| *Bibliothèque de la Faculté des Lettres de l'Université de Paris. | Index to Dates. |
| Bookman. | Internationale Wochenschrift für Wissenschaft, Kunst u. Technik. |
| Bookman (English). | Jahresverzeichniss der an den deutschen Schulanstalten erschienenen Abhandlungen. |
| *Book News Monthly. | *Johns Hopkins University, Circulars. |
| Bookseller. | Library Journal. |
| *Bryn Mawr Alumnae Quarterly. | McClure's Magazine. |
| Blätter des deutschen Theaters. | Mercure de France. |
| Bulletin of Bibliography. | Mind and Body. |
| *Bulletin of the New York Public Library. | *Monthly Bulletin of the Carnegie Library of Pittsburgh. |
| *Bulletin of the Pan-American Union. | Münchener allgemeine Zeitung. |
| Century. | Nachrichten von der Königlich Gesellschaft der Wissenschaften, Göttingen. |
| Collier's Weekly. | Nation. |
| *Columbia University Quarterly. | Neue Rundschau. |
| *Common Cause. | Nineteenth Century. |
| Contemporary Review. | North American Review. |
| Country Life in America. | Notes and Queries. |
| La Cultura. | Nuova Antologia. |
| Cumulative Book Index. | Outlook. |
| Deutsche Rundschau. | *Pennsylvania Library Notes. |
| Dial. | Preussische Jahrbücher. |
| Drama. | Publishers' Weekly. |
| English Review. | |
| Everybody's Magazine. | |

Punch.
 Quarterly Review.
 Reader's Guide to Periodical Literature.
 Review of Reviews.
 Revue Critique d'Histoire et de Littérature.
 *Revue Critique des Livres Nouveaux.
 Revue de Paris.
 Revue des Deux Mondes.
 Revue Politique et Littéraire: Revue Bleue.
 Saturday Review.
 Scribner's Magazine.
 Sewanee Review.
 Sitzungsberichte der Königlichen Bayerischen Akademie der Wissenschaften.

Sitzungsberichte der Königlichen Preussischen Akademie der Wissenschaften zu Berlin.
 Spectator.
 Der Türmer.
 *Tipyn o' Bob.
 *University of California, Publications.
 *University of Colorado, Studies.
 *University of Missouri, Studies.
 *University of Nebraska, Studies.
 *University of Nevada, Studies.
 *University of Texas, Studies.
 *University of Washington, Studies.
 Westminster Review.
 Die Woche.
 World's Work.

Newspapers.

*Bryn Mawr Record.
 New York Evening Post.
 New York Times.

New York Tribune.
 Philadelphia Public Ledger.

Art and Archæology.

American Journal of Archæology.
 Bulletin de Correspondance hellénique.
 Bulletin of the Archæological Institute of America.
 *Bulletin of the Metropolitan Museum of Art, New York.
 Burlington Magazine.
 Ephemeris Archæologike.
 Gazette des Beaux Arts.
 Jahrbuch des Kaiserlich deutschen archæologischen Instituts.
 Jahresbericht über die Fortschritte der classischen Alterthumswissenschaft.
 Jahreshefte des österreichischen archæologischen Instituts in Wien.

Journal of Hellenic Studies.
 Mittheilungen und Nachrichten des Deutschen Palaestina Vereins.
 Mittheilungen des Kaiserlich deutschen archæologischen Instituts, Athenische Abtheilung.
 Mittheilungen des Kaiserlich deutschen archæologischen Instituts, Römische Abtheilung.
 *Museum of Fine Arts Bulletin, Boston.
 Notizie degli Scavi di Antichità.
 Revue Archéologique.
 Zeitschrift des Deutschen Palästina Vereins.

Economics and Politics.

*Advocate of Peace.
 All Opinions of the U. S. Supreme Court.
 Allgemeines statistisches Archiv.
 American City.
 American Economic Review.
 American Federationist.
 American Journal of Sociology.
 American Political Science Review.
 Annals of the American Academy of Political and Social Science.
 Bibliography of Social Science.
 *Bulletin of the New York State Department of Labor.
 *Bulletin of the University of Wisconsin, Economics and Political Science Series.

Case and Comment.
 *City Club Bulletin.
 Columbia Law Review.
 Columbia Studies in History, Economics and Public Law.
 *Daily Consular Trade Reports.
 Economic Journal.
 Economic Review.
 Handbuch der öffentlichen Rechts.
 Harvard Law Review.
 International Socialist Review.
 Jahrbücher für Nationalökonomie u. Statistik.
 Johns Hopkins University Studies in Historical and Political Science.

Journal of Criminal Law.
 Journal of Political Economy.
 Journal of the Royal Statistical Society.
 Political Science Quarterly.
 *Public Service.
 Publications of the American Economic Association.
 Publications of the American Statistical Association.
 Quarterly Journal of Economics.
 Revue Bibliographique.
 *Southern Workman.
 Survey.

*University of Missouri Studies, Social Science Series.
 *University of Pennsylvania Publications, Series in Political Economy and Public Law.
 Vierteljahrsschrift für Philosophie u. Soziologie.
 *Visiting Nurse Quarterly.
 Yale Review.
 Zeitschrift für Socialwissenschaft.
 Zeitschrift für Volkswirtschaft, Socialpolitik u. Verwaltung.

Education.

Education.
 Educational Review.
 Educational Times.
 Elementary School Teacher.
 Journal of Educational Psychology.
 Journal of Pedagogy.
 *Journal of the Association of Collegiate Alumnae.
 Lehrproben und Lehrgänge.
 Manual Training Magazine.
 Pädagogische Studien.

Pedagogical Seminary.
 Revue Internationale de l'Enseignement Supérieur.
 Revue Universitaire.
 School Review.
 *University of California Publications, Education.
 Vocational Education.
 Zeitschrift für Pädagogische Psychologie.
 Zeitschrift für Schulgesundheitspflege.

History.

American Historical Review.
 *Bulletin of the University of Wisconsin, History Series.
 English Historical Review.
 Historical Manuscripts Commission, Reports.
 Historische Vierteljahrsschrift
 Historische Zeitschrift.
 *Illinois State Historical Society Journal.
 Jahresberichte der Geschichtswissenschaft.

Klio, Beiträge zur alten Geschichte.
 Pennsylvania Magazine of History.
 Révolution Française.
 Revue des Etudes Napoléoniennes.
 Revue des Questions Historiques.
 Revue Historique.
 *University of Pennsylvania Publications, Series in History.
 *University of Toronto Studies, History and Economics.

Philology and Literature, Classical.

Bulletin Bibliographique et Pédagogique du Musée Belge.
 Classical Journal.
 Classical Philology.
 Classical Quarterly.
 Classical Review.
 Classical Weekly.
 Harvard Studies in Classical Philology.
 Hermes.
 Jahresbericht über die fortschritte der Klassischen Altertumswissenschaft.
 Journal of Hellenic Studies.
 Journal of Roman Studies.
 Mnemosyne.
 Le Musée Belge, Revue de Philologie Classique.

Philologische Untersuchungen.
 Philologus.
 Quellen und Forschungen zur lateinischen Philologie.
 Revue de Philologie.
 Revue des Etudes Grecques.
 Rheinisches Museum für Philologie.
 Rivista di Filologia.
 Studi Italiani di Filologia Classica.
 Studi Storici per l'Antichità Classica.
 Wiener Studien, Zeitschrift für classische Philologie.
 Wochenschrift für klassische Philologie.

Philology and Literature, General and Comparative.

American Journal of Philology.
 Berliner philologische Wochenschrift.
 Eranos.
 Indogermanische Forschungen.
 Journal of English and Germanic Philology.
 Journal of Philology.
 Neue Jahrbücher für das klassische Altertum, Geschichte und deutsche Literatur.
 Transactions of the American Philological Association.

*University of Pennsylvania Publications.
 Series in Philosophy and Literature.
 Zeitschrift für das Gymnasialwesen.
 Zeitschrift für die österreichischen Gymnasien.
 Zeitschrift für vergleichende Literaturgeschichte.
 Zeitschrift für vergleichende Sprachforschung.

Philology and Literature, Modern.

Anglia.
 Anglistische Forschungen.
 Annales Romantiques.
 Archiv für das Studium der neueren Sprachen.
 Archivio Glottologico Italiano.
 Arkiv for Nordisk Filologi.
 Beiblatt zur Anglia: Mitteilungen über englische Sprache und Litteratur.
 Beiträge zur Geschichte der deutschen Sprache und Literatur.
 Bonner Studien zur englischen Philologie.
 British Society of Franciscan Studies.
 Bulletin de la Société des Anciens Textes Français.
 Bulletin hispanique.
 Chaucer Society, Publications (both series).
 Deutsche Literaturzeitung.
 Dialect Notes.
 Early English Text Society Publications (both series).
 Englische Studien.
 Euphorion.
 German American Annals.
 Germanisch-romanische Monatsschrift.
 Giornale Dantesco.
 Giornale Storico della Letteratura Italiana.
 Goethe Jahrbuch.
 Jahrbuch der deutschen Shakespeare Gesellschaft.
 Jahrbuch des Vereins für niederdeutsche Sprachforschung.
 Jahresbericht über die Erscheinungen auf dem Gebiete der germanischen Philologie.
 Journal of German Philology.
 Kieler Studien zur englischen Philologie.
 Korrespondenzblatt des Vereins für niederdeutsche Sprachforschung.
 Kritischer Jahresbericht über die Fortschritte der romanischen Philologie.
 Literarische Echo.

Literarisches Centralblatt.
 Literaturblatt für germanische und romanische Philologie.
 Le maître Phonétique.
 Materialien zur Kunde des älteren Englischen Dramas.
 Modern Language Notes.
 Modern Language Review.
 Modern Philology.
 Münchener Beiträge zur romanischen und englischen Philologie.
 Palaestra.
 Poet-lore.
 Praeger deutsche Studien.
 Publications of the Modern Language Association.
 Quellen und Forschungen zur Sprach- und Culturgeschichte der germanischen Völker.
 Rassegna Bibliografica.
 Revue d'Histoire Littéraire de la France.
 Revue des Etudes Rabelaisiennes.
 Revue Germanique.
 Revue Hispanique.
 Romania.
 Romanic Review.
 Romanische Forschungen.
 Schriften der Goethe Gesellschaft.
 Scottish Text Society, Publications.
 Société des Anciens Textes Français, Publications.
 Société des Textes Français Modernes, Publications.
 Studien zur englischen Philologie.
 Wiener Beiträge zur englischen Philologie.
 Zeitschrift für den deutschen Unterricht.
 Zeitschrift für deutsche Philologie.
 Zeitschrift für deutsches Altertum und deutsche Litteratur.
 Zeitschrift für deutsche Wortforschung.
 Zeitschrift für französische Sprache und Litteratur.
 Zeitschrift für romanische Philologie.

Philology and Literature, Semitic.

American Journal of Semitic Languages
and Literatures.
Babyloniaca.
Jewish Quarterly Review.
Proceedings of the Society of Biblical
Archæology.
Recueil d'archæologie orientale.

Recueil de Travaux relatifs à la Philologie
et à l'Archéologie égyptiennes et
assyriennes.
Zeitschrift für ägyptische Sprache und
Altentumskunde.
Zeitschrift für Assyriologie.

Philosophy and Psychology.

American Journal of Psychology.
Année Psychologique.
Archiv für die gesamte Psychologie.
Archiv für Geschichte der Philosophie.
Archiv für systematische Philosophie.
Archives de Psychologie.
Archives of Psychology.
British Journal of Psychology.
Bulletin de l'Institut Psychologique.
International Journal of Ethics.
Journal de Psychologie.
Journal für Psychologie und Neurologie.
Journal of Abnormal Psychology.
Journal of Animal Behavior.
Journal of Educational Psychology.
Journal of Philosophy, Psychology and
Scientific Methods.
Journal of Religious Psychology.
Mind.
Monist.
Philosophical Magazine.
Philosophical Review.
Proceedings of the Aristotelian Society.
Psychological Bulletin.

Psychological Review.
Psychological Review; Monograph Sup-
plements.
Psychological Review; Psychological Index.
Psychologische Arbeiten.
Psychologische Studien.
Revue de l'Hypnotisme.
Revue de Métaphysique.
Revue de Psychothérapie.
Revue Philosophique.
*Studies from the Yale Psychological Lab-
oratory.
*University of California Publications,
Philosophy.
*University of Toronto Studies, Psychology
Series.
Vierteljahrsschrift für wissenschaftliche
Philosophie.
Zeitschrift für angewandte Psychologie.
Zeitschrift für Psychologie und Physio-
logie der Sinnesorgane: 1 abt., Zeit-
schrift für Psychologie. 2 abt., Zeit-
schrift für Sinnesphysiologie.

Religion.

American Friend.
American Journal of Religious Psychology
and Education.
American Journal of Theology.
†Association Monthly.
†Australasian Intercollegian.
*Baptist Missionary Magazine.
Biblical World.
Bibliotheca Sacra.
*Deaconess Advocate.
†Expositor.
Expository Times.
Friends' Missionary Advocate.
*Hartford Seminary Record.
*Harvard Theological Review.

†Herald of Gospel Liberty.
†Indian's Friend.
†Intercollegian.
Journal of Biblical Literature.
Journal of Theological Studies.
†Missionary Review.
Proceedings of the Society of Biblical
Archæology.
*Publications of the American Jewish
Historical Society.
Religious Education.
Revue Biblique.
*Spirit of Missions.
*Washington Chapel Chronicle.
*Woman's Missionary Friend.

Science, Biology.

American Journal of Anatomy.
American Journal of Physiology.
American Naturalist.

Anatomischer Anzeiger.
Archiv für Anatomie und Physiologie.
Archiv für die gesamte Physiologie.

Archiv für Entwicklungsmechanik der Organismen.
 Archiv für mikroskopische Anatomie.
 Archiv für Protistenkunde.
 Bibliographia Physiologica.
 Biologisches Centralblatt.
 Biometrika.
 Botanische Zeitung. 1. Abtheilung.
 Botanische Zeitung. 2. Abtheilung.
 Botanisches Centralblatt.
 *Brown University, Contributions from the Biological Laboratory.
 Centralblatt für Physiologie.
 Eugenics Laboratory Memoirs.
 *Illinois State Laboratory of Natural History Bulletin.
 Jahrbücher für wissenschaftliche Botanik.
 Journal de Physiologie.
 Journal of Experimental Medicine.
 Journal of Experimental Zoology.
 Journal of Genetics.

Journal of Morphology.
 Journal of Physiology.
 Journal of the Royal Microscopical Society.
 Mittheilungen aus der Zoologischen Station zu Neapel.
 Quarterly Journal of Microscopical Science.
 *University of California Publications, Physiology.
 *University of California Publications, Zoology.
 *University of Pennsylvania, Contributions from the Botanical Laboratories.
 *University of Pennsylvania, Contributions from the Zoological Laboratories.
 *University of Toronto Studies, Biological Series.
 University of Toronto Studies, Physiological Series.
 Zeitschrift für wissenschaftliche Zoologie.
 Zoologischer Anzeiger.

Science, General.

American Journal of Science.
 Atti della Reale Accademia della Scienze di Torino.
 Bulletin de l'Académie Imperiale des Sciences de St. Pétersbourg.
 *Bulletin of the University of Wisconsin, Engineering Series.
 *Bulletin of the University of Wisconsin, Science Series.
 Comptes Rendus des Séances de l'Académie des Sciences.
 Elisha Mitchell Scientific Society Journal.
 International Catalogue of Scientific Literature.
 *Kansas University, Science Bulletin.
 Nature.

*New York State Museum Bulletin.
 *Oklahoma University Research Bulletin.
 Philosophical Transactions of the Royal Society of London.
 Popular Science Monthly.
 Proceedings of the American Philosophical Society.
 Proceedings of the Royal Society of London.
 Science.
 *Technology Review.
 *University of Missouri Studies, Science Series.
 Verhandlungen der physikalisch-medizinischen Gesellschaft zu Würzburg.

Science, Geology, and Geography.

Centralblatt für Mineralogie.
 Economic Geology.
 Geographical Journal.
 Geological Magazine.
 Geologisches Centralblatt.
 *Georgia Geological Survey Bulletin.
 *Illinois Geological Survey Bulletin.
 Journal of Geography.
 Journal of Geology.
 Meteorologische Zeitschrift.
 Mineralogical Magazine.

Mineralogische und petrographische Mittheilungen.
 National Geographic Magazine.
 Neues Jahrbuch für Mineralogie, Geologie und Paläontologie.
 Philadelphia Geographical Society Bulletin.
 Quarterly Journal of the Geological Society.
 *U. S. Monthly Weather Review.
 *University of Toronto Studies, Geological Series.

Mathematics, Chemistry, and Physics.

Acta Mathematica.
 American Chemical Journal.
 American Journal of Mathematics.

Annalen der Chemie.
 Annalen der Physik.
 Annales de Chimie et de Physique.

Annales Scientifiques de l'Ecole Normale Supérieure.
 Annali di Matematica.
 Astrophysical Journal.
 Beiblätter zu den Annalen der Physik.
 Berichte der deutschen chemischen Gesellschaft.
 Bibliotheca Mathematica.
 Bollettino di Bibliografia e Storia delle Scienze Matematiche.
 Bulletin de la Société Chimique de France.
 Bulletin de la Société Mathématique.
 Bulletin des Sciences Mathématiques.
 Bulletin of the American Mathematical Society.
 Cambridge Tracts in Mathematics.
 Chemical Abstracts.
 Chemisches Zentralblatt.
 Giornale di Matematiche.
 Jahrbuch über die Fortschritte der Mathematik.
 Jahresbericht der deutschen mathematiker Vereinigung.
 Jahresbericht über die Fortschritte der Chemie.
 Journal de Mathématiques.
 Journal de Physique.
 Journal für die reine und angewandte Mathematik.

Journal für praktische Chemie.
 Journal of the Chemical Society.
 Journal of Physical Chemistry.
 Mathematische Annalen.
 Messenger of Mathematics.
 Monatshefte für Chemie.
 Physical Review.
 Physikalische Zeitschrift.
 Proceedings of the London Mathematical Society.
 Quarterly Journal of Mathematics.
 Rendiconti del Circolo Matematico di Palermo.
 Science Abstracts.
 Transactions of the American Mathematical Society.
 *U. S. Bureau of Standards Bulletin.
 *University of Pennsylvania Publications, Astronomical Series.
 *University of Toronto Studies, Papers from the Chemical Laboratories.
 *University of Toronto Studies, Papers from the Physical Laboratories.
 Zeitschrift für anorganische Chemie.
 Zeitschrift für Elektrochemie.
 Zeitschrift für Kolloidchemie.
 Zeitschrift für Mathematik und Physik.
 Zeitschrift für physikalische Chemie.

The library is open daily from eight A. M. to ten P. M. Books may be taken out by the students unless specially reserved for library reference use.

There are in Philadelphia the following important libraries which are available for students:

The *Philadelphia Library Company*, which contains about 235,000 volumes and 30,000 pamphlets, and is at all times open to the students for consultation. Private subscription, for four volumes, \$12 a year, or \$10 for nine months.

The *Mercantile Library*, which contains about 190,000 volumes and 10,000 pamphlets. Private subscription, \$5.00 a year for two separate works at a time.

The *Library of the Academy of Natural Sciences*, which contains about 68,000 volumes. The Council of the Academy has generously conceded the use of its library and of its museum to the students of Bryn Mawr College.

The *Library of the University of Pennsylvania*, which contains about 320,000 volumes and 50,000 pamphlets. The custodians of this library have always shown great courtesy in placing rare volumes at the disposal of the college.

The *Free Library of Philadelphia*, which contains about 375,000 volumes and 89,000 pamphlets, and is at all times open to the students for consultation.

The *American Philosophical Society Library*, which contains about 53,000 volumes, admission by card.

The *Historical Society of Pennsylvania Library*, which contains over 80,000 volumes, and 200,000 pamphlets, is for reference only. Every courtesy is extended to members of the college.

Sanskrit and Comparative Philology.

The instruction in this department is under the direction of Dr. Roland G. Kent, Non-resident Lecturer in Sanskrit.

GRADUATE COURSES.

The following graduate courses are offered in each year:

Lectures on Comparative Philology, and Philological Seminary.

Two hours a week throughout the year.

Students entering this course are expected to be familiar with German and French. A short preliminary course in Sanskrit is also of great aid to the student. The lectures on comparative philology treat of the connection of the Greek and Latin languages with the related languages of the Aryan group, first, phonetically, secondly, from the point of view of grammatical forms, and lastly, from the point of view of syntax. In the first part of the course which covers what during the last few years has been the field of the most active research the student is introduced to the latest theories and discoveries in Aryan phonetics, and is expected to read and criticise the articles appearing from time to time in the philological journals, and to prepare reports on these articles. The same method is pursued during the investigation of the history of forms; and in the third part of the course the student begins the study of comparative syntax by a close comparison of the use of cases and verbal forms in Sanskrit, Greek, and Latin.

Elementary Sanskrit.

Two hours a week throughout the year.

Whitney's *Grammar* is used and the classical selections from Lanman's *Reader* are read, followed by rapid reading in some easy text of the classical literature. Exercises in Sanskrit prose composition are prepared by the student.

The courses in Comparative Philology and in Elementary Sanskrit will not, as a rule, be given in the same year.

Advanced Sanskrit.

One hour a week throughout the year.

Lectures are given on the phonology and morphology of Sanskrit. The study of Lanman's *Reader* is continued and Kālidāsa's *Śakuntalā*, Act I, is read.

Greek.

The instruction in this department is under the direction of Dr. Henry Nevill Sanders, Professor of Greek; Dr. Wilmer Cave Wright, Associate Professor of Greek; Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages, and Miss Abby Kirk, Reader in Elementary Greek.

Exceptional facilities for the study of all departments of classical philology are offered by the large classical library owned by the College. The greater part of this library is formed by the well-known collection of the late Professor Hermann Sauppe of Göttingen, which was acquired in 1894. This has been supplemented by purchases made by the college library, so that the classical library now numbers some seven thousand volumes, including complete sets of most of the important journals, and about seven thousand dissertations and monographs.

GRADUATE COURSES.

The graduate courses in Greek are varied from year to year in two series, Attic Tragedy, Orators, and Historians, and the Homeric Question, Menander, Plato, and Aristophanes, in order that they may be pursued by a student for consecutive years. Students electing Greek as part of the work for the degree of Doctor of Philosophy are required to offer with each three hour seminary a two hour seminary and *vice versa*, so as to make up five hours of seminary work, but both seminaries need not be taken in the same year. Three five hour courses are required of students who offer Greek as a major subject in the examination for the degree of Doctor of Philosophy; two five hour courses are required when Greek is the only minor subject offered, and one five hour course when two minors are offered. The post-major courses also are open to graduate students. A large part of the work expected of graduate students consists of courses of reading pursued under the direction of the department; and reports of this reading are from time to time required of the students. A reading knowledge of French and German is required. The course in Comparative Philology is recommended to graduate students of Greek. For graduate courses in History of Art and Classical Archæology, which may be offered as a minor by students taking Greek as a subject for the degree of Doctor of Philosophy, see page 106.

No undergraduates are admitted to graduate courses.

Dr. Sanders conducts in each year the following graduate seminary:

Greek Seminary.

Three hours a week throughout the year.

In 1912-13 Greek orators are studied in the seminary. The work consists of the reading of large portions of all the orators and the critical interpretation of a selected part of each. Lectures are given on legal antiquities, the syntax, and the style of the various

authors, in conjunction with which Dionysius of Halicarnassus and the Greek Rhetoricians are studied. The later rhetoricians are treated and their criticism of antiquity investigated. Students are expected to provide themselves with the Teubner text editions of Antiphon, Andocides, Lysias, Isocrates, Isæus, Æschines, Hypereides, and Demosthenes. The classical library is well equipped with works on the orators.

In 1913-14 the main subject of the seminary will be the Greek Historians. Thucydides is studied in detail and reports are made on data of history contained in Greek literature in general. Lectures are given by the instructor on subjects connected with Greek historiography, such as the composition of Thucydides's history, the syntax and style of Thucydides, the history of early prose, Greek historical inscriptions.

In 1914-15 the subject of the seminary will be Attic Tragedy. The work of the seminary in textual criticism is devoted to the editing of Euripides's *Orestes*, while the special work is devoted to the plays bearing on the Orestes myth. Members of the seminary report on assigned subjects and give critical summaries of current classical literature.

Dr. Wright conducts in each year the following graduate seminary:

Greek Seminary.

Two hours a week throughout the year.

In 1912-13 the subject of the seminary in the first semester is Menander. A thorough study of all the extant fragments of Menander is made with reports by the students on Menander's style, metres, text, and influence on Latin Comedy. The recent discovery of considerable remains of Menander's Comedies and the publication of the Cairo Menander (1907) have provided sufficient material to make such a course profitable to students of the Greek drama.

In the second semester the subject of the seminary is the Homeric Question, and the work consists of a review of the discussions of the Homeric poems since the publication of Wolf's *Prolegomena*. The various tests that have been applied to the poems by archæologists, linguists, historians of myths, and æsthetic critics are taken up and criticised in detail.

In 1913-14 the subject of the seminary will be Aristophanes. The aim of the seminary is to make the students familiar with the more important Aristophanic literature up to the present day. Portions of the text are interpreted by the class and reports on assigned topics, literary, historical, and archæological, connected with the plays are expected from all the members. All the comedies of Aristophanes are read in the course of the year; lectures are given by the instructor on the metres and syntax of Aristophanes, on the dramatic structure of the plays and on the history of Attic comedy. Part of the work consists of analyses of Latin and German dissertations on Aristophanes which are presented by members of the class. Every member of the class should provide herself in advance with a complete text of Aristophanes. The Teubner (Leipsic) or Clarendon Press (Oxford) editions are recommended.

In 1914-15 the seminary will be in Plato. The work is mainly literary and critical. Lectures on the style, philosophy, and chronology of the dialogues are given by the instructor; a detailed interpretation of a portion of Plato, and reports on topics set for discussion are given by the class. The students are expected to read the *Republic*, *Theætetus*, *Parmenides*, and *Sophist* and discuss certain problems arising from these dialogues. The aim of the course is to lay a foundation for independent work by familiarising the students with the achievements of German scholarship and the general field of Platonic literature up to the present day. Analyses of German and Latin dissertations are expected from the class. Lutoslawski's *Origin and Growth of Plato's Logic* will be studied and criticised in detail. Every member of the seminary should provide herself in advance with a complete text of Plato. The Teubner (Leipsic) or Clarendon Press (Oxford) editions are recommended.

In 1915-16 the Homeric Question will be the subject of the seminary throughout the year.

Dr. Sanders and Dr. Wright together conduct the journal club:

Greek Journal Club.

One and a half hours once a fortnight throughout the year.

POST-MAJOR COURSES.

Dr. Sanders offers in 1912-13 the following post-major courses, open to graduate students:

Æschylus, <i>Oresteia</i> .	<i>Two hours a week during the first semester.</i>
Aristophanes, <i>Acharnians</i> , <i>Knights</i> .	<i>One hour a week during the first semester.</i>
Pindar and Bacchylides.	<i>Two hours a week during the second semester.</i>
Sophocles, <i>Electra</i> or Euripides, <i>Electra</i> .	<i>One hour a week during the second semester.</i>

Dr. Sanders offers in 1913-14 the following post-major courses, open to graduate students:

Minor Orations of the Attic Orators.	<i>Two hours a week during the first semester.</i>
Sophocles, <i>Antigone</i> or <i>Oedipus Tyrannus</i> .	<i>One hour a week during the first semester.</i>
Æschylus, <i>Agamemnon</i> or Thucydides.	<i>Two hours a week during the second semester.</i>
Greek Prose Composition.	<i>One hour a week during the second semester.</i>

Dr. Sanders offers in 1914-15 the following post-major courses, open to graduate students:

Sophocles, <i>Trachiniæ</i> and Euripides, <i>Heracles</i> .	<i>Two hours a week during the first semester.</i>
Herodotus.	<i>One hour a week during the first semester.</i>
Greek Prose Composition.	<i>One hour a week during the second semester.</i>
Greek Rhetoricians or Fragments of Authors in the Papyri.	<i>One hour a week during the second semester.</i>
Euripides, <i>Bacchæ</i> .	<i>One hour a week during the second semester.</i>

Dr. Wright offers in 1912-13 the following post-major courses, open to graduate students:

Æschylus, <i>Agamemnon</i> .	<i>Two hours a week during the first semester.</i>
Theocritus.	<i>Two hours a week during the second semester.</i>

Dr. Wright offers in 1913-14 the following post-major courses, open to graduate students:

Melic Poets.	<i>Two hours a week during the first semester.</i>
Plato, <i>Republic</i> .	<i>Two hours a week during the second semester.</i>

Dr. Wright offers in 1914-15 the following post-major courses, open to graduate students:

Theocritus.	<i>Two hours a week during the first semester.</i>
Æschylus, <i>Septem</i> .	<i>Two hours a week during the second semester.</i>

Dr. Wright offers in 1915-16 the following post-major courses, open to graduate students:

Palatine Anthology or Lucian.
Sophocles, *Ajax*.

Two hours a week during the first semester.
Two hours a week during the second semester.

FREE ELECTIVE COURSES.

Minor courses, amounting to five hours a week, are offered in Classical Art and Archæology; see page 102.

A free elective course of two hours a week is offered in New Testament Greek; see page 91.

Latin.

The instruction in this department is under the direction of Dr. Arthur Leslie Wheeler, Professor of Latin, Dr. Tenney Frank, Professor of Latin, Dr. James Fulton Ferguson, Associate in Ancient History and Latin, and Miss Mary Hamilton Swindler, Reader in Latin and Demonstrator in Archæology.

GRADUATE COURSES.

The graduate work in Latin is conducted according to the seminary method, and is intended not only to broaden the student's knowledge, but also to teach methods of work. The graduate courses in Latin are varied from year to year in three series, Roman Comedy, Lyric Poetry and Elegy, and Roman History, Epigraphy and Literature, or Syntax. Students electing Latin as part of the work for the degree of Doctor of Philosophy are required to offer with each three hour seminary a two hour seminary and *vice versa*, so as to make up five hours of seminary work, but both seminaries need not be taken in the same year. Such students are recommended to attend the Journal Club. Three five hour courses are required of students who offer Latin as a major subject in the examination for the degree of Doctor of Philosophy; two five hour courses are required when Latin is the only minor subject offered and one five hour course when two minors are offered. It is desirable that all students who intend to do advanced work in Latin should have some knowledge of Greek. A reading knowledge of French and German is also necessary.

No undergraduates are admitted to graduate courses.

Dr. Wheeler conducts in each year the following graduate seminary:

Latin Seminary.

Three hours a week throughout the year.

In 1912-13 the subject of the seminary is Latin Comedy. All the plays of Plautus and Terence are read by the students; single plays form the basis of special work on the language, text, metres, etc.

Students should provide themselves with the text edition of Plautus, edited by W. M. Lindsay, Oxford, 1903-04, and with Dziatzko's text of Terence, Leipsic, Tauchnitz, 1884.

The plays of Plautus, annotated by Brix, Leipsic, Teubner, 1888-1901, and by Lorenz, Berlin, Weidmann, 1876-86, and the plays of Terence, annotated by Dziatzko (revised by Hauler), 1898 and 1903 (Teubner), and by Spengel, 1879 and 1905, Weidmann, are also recommended. *P. Terenti Afri Commoediae*, edited by S. G. Ashmore, Oxford University Press, New York, 1908, is a convenient commentary.

In 1913-14 the subject of the seminary will be the Roman Lyric in the Period of the Republic. After a rapid survey of the fragmentary lyric remains of the predecessors and contemporaries of Catullus, the poems of Catullus himself are studied in detail. Students should have *Catulli carmina* (Oxford text, 1904), edited by Robinson Ellis, and either the same scholar's *Commentary on Catullus*, Oxford, Clarendon Press, 1889 (second edition), or G. Friedrich's *Catulli Veronensis liber*, Leipsic and Berlin, 1908 (Teubner).

In 1914-15 Roman Elegy as represented by Tibullus, Propertius, and Ovid will be the subject of the seminary. In addition to a careful study of selected poems an effort is made to trace the history of elegy among the Romans. The various topics connected with the subject are treated in detail as far as time permits, and the students are encouraged to familiarise themselves with the best literature in editions, periodicals, and dissertations. The texts recommended are the Oxford Clarendon Press editions of Catullus and Tibullus, edited by Ellis and Postgate, and the Leipsic (Teubner) text of Propertius, edited by C. Hosius, 1911.

Dr. Frank conducts in each year the following graduate seminary:

Latin Seminary.

Two hours a week throughout the year.

In 1912-13 Cicero's correspondence is the subject of the seminary. An effort is made to master typical textual and linguistic problems presented by this text, and more especially to extend the student's acquaintance with the Roman civilisation of Cicero's day.

In 1913-14 the work of the seminary will be Latin Epigraphy and Palæography. About two-thirds of the course is devoted to the study of the *Corpus Inscriptionum*. The questions assigned for investigation deal mainly with Roman political institutions, public and private life, and with historical grammar. Dessau's *Inscriptiones Latinae Selectae* is used in the class room. The paleographical facsimiles of Chatelain, Zangemeister and Wattenbach, and Arndt form the basis for work in the latter part of the course.

In 1914-15 selected topics in Roman Literature are studied. The work consists of studies in the beginnings of the Roman epic, tragedy, and prose. The students read reports on special subjects assigned to them. A study of Latin Syntax may be substituted.

Dr. Wheeler and Dr. Frank together conduct the journal club.

Latin Journal Club.

One and a half hours once a fortnight throughout the year.

The advanced students and the instructors meet to report on and discuss recent reviews and critical articles.

POST-MAJOR COURSES.

Dr. Wheeler offers in 1912-13 and again in 1914-15 the following post-major course, open to graduate students:

Roman Elegy.

Two hours a week throughout the year.

An effort is made to trace historically the development of this branch of poetry among the Romans. Selections from Catullus, Tibullus, Propertius, and Ovid are read. The readings are supplemented by occasional lectures. Special attention is devoted to the structure and reading of the elegiac distich and to the characteristics of Roman poetic diction. Each student is required to prepare papers and reports on assigned topics in each semester.

Dr. Wheeler offers in 1913-14 and again in 1915-16 the following post-major course, open to graduate students:

Roman Satire.

Two hours a week throughout the year.

The subject is treated historically in order to give an outline of the origin and development of Satire. The class reads selections from Horace, Persius, Seneca, Petronius, and Juvenal, together with some of the fragments of Ennius, Lucilius, and Varro. The readings are supplemented by occasional lectures. Each student is required to prepare papers and reports on assigned topics in each semester.

Dr. Frank offers in 1912-13 and again in 1914-15 the following post-major courses, open to graduate students:

The Life and Works of Vergil.

Three hours a week during the first semester.

The larger part of the *Aeneid*, two books of the *Georgics* and some of the minor poems are read and discussed.

Advanced Latin Prose Composition.

One hour a week throughout the year.

Roman Prose of the Empire.

Three hours a week during the second semester.

Selections from Velleius, Seneca, Quintilian, Tacitus, Suetonius, Apuleius, and Minucius Felix are read.

Dr. Frank offers in 1913-14 and again in 1915-16 the following post-major courses, open to graduate students:

Lucretius and Catullus.

Three hours a week during the first semester.

Selections from the *De Rerum Natura* and from the lyrics of Catullus are read.

Advanced Latin Prose Composition.

One hour a week throughout the year.

Cicero and Cæsar.

Three hours a week during the second semester.

An effort is made by means of lectures, discussions and extensive reading to gain an intimate acquaintance with the literary work and the political careers of Cicero and Cæsar.

Dr. Frank offers in each year the following elective course, open to graduate students:

Lectures on Roman Life.

One hour a week throughout the year.

An attempt is made to describe briefly Roman social and economic conditions, as well as the development of religious beliefs and institutions.

MODERN LANGUAGES.

Professors and instructors: Dr. M. Carey Thomas, Dr. Fonger DeHaan, Dr. Albert Schinz, Miss Lucy Martin Donnelly, Dr. Karl Detlev Jessen, Dr. Carleton Fairchild Brown, Dr. Richard Thayer Holbrook, Dr. Orie Latham Hatcher, Dr. Alfred Horatio Upham, Dr. Agathe Lasch, Mr. Samuel Arthur King, M. Louis Cons, Dr. Regina Katharine Crandall, Miss Georgiana Goddard King, Miss Mary Jeffers,* Miss Edna Aston Shearer, Miss E.

* Granted leave of absence for the year 1912-13.

Beatrice Daw, Miss Helen Estabrook Sandison, Dr. Ida Langdon, Miss Marie Hopp, Miss Bertha Sophie Ehlers, Miss Marion Delia Crane and Miss Christine Potts Hammer.

English.

The instruction in this department is under the direction of Dr. M. Carey Thomas, Professor of English, Miss Lucy Martin Donnelly, Professor of English, Dr. Carleton Fairchild Brown, Professor of English Philology, Dr. Orie Latham Hatcher, Associate Professor of Comparative Literature and Elizabethan Literature, Dr. Alfred Horatio Upham, Associate Professor of English Literature, Mr. Samuel Arthur King, Non-resident Lecturer in English Diction, Miss Georgiana Goddard King, Lecturer in the History of Art and Comparative Literature, Dr. Regina Katharine Crandall, Miss Edna Aston Shearer, Miss E. Beatrice Daw, Miss Helen Estabrook Sandison, Miss Marion Delia Crane, Dr. Ida Langdon, and Miss Christine Potts Hammer, Readers in English.

GRADUATE COURSES.

There are offered each year distinct graduate seminars and courses in English literature and in English language, and these seminars and courses are varied so as to enable candidates for the degree of Doctor of Philosophy to pursue graduate work for three or more successive years. The graduate courses in literature presuppose at least as much knowledge as is obtained in the two years' course of undergraduate lectures on English literature and in one of the literature years of the English major; and the graduate courses in Anglo-Saxon presuppose as much knowledge of Anglo-Saxon as is obtained in the language year in the English major.

Students who choose English as their chief subject in their examination for the degree of Doctor of Philosophy must have, if they specialise in literature, at least as much knowledge of Anglo-Saxon, and if they specialise in language, at least as much knowledge of literature, as is obtained in the course required of those students who make English one of the chief subjects of undergraduate study, and must have taken at least the equivalent of the essay work in the required English course.

The graduate instruction in English literature includes the direction of private reading and the assignment of topics for investigation.

No undergraduates are admitted to graduate courses.

Dr. Brown conducts in each year the following graduate seminary:

Seminary in Middle English.

Three hours a week throughout the year.

In 1912-13 the beginnings of English Drama are the subject of the seminary. Though the cycles of the mystery plays are considered in general, the larger part of the time is devoted to the study of the English morality plays. Particular attention is given to the connection between the moralities and the didactic treatises and the debates. The moralities and the secular drama are studied historically up to the time of Heywood. In addition to the reading and discussion of selected plays, lectures are given by the instructor with the object of setting various elements of dramatic development in proper proportion. Critical reports on assigned topics are required from the students.

In 1913-14 the subject is the Middle English Romances. All the romances represented in the Middle English are read and the relation of these English versions to their Latin and Old French originals are discussed. The romance cycles are taken up in the following order: Troy story, Alexander saga, romances of Germanic origin, Arthurian cycle, Charlemagne cycle. Special investigations of various elements in individual romances are undertaken from time to time by the members of the seminary.

In 1914-15 the seminary will undertake the study of *The Vision of Piers the Plowman* and the works of Chaucer. Attention is devoted not so much to the critical reading of the texts themselves as to the examination of the questions of authorship and chronology which have recently been raised. These poems are also discussed in their relation to the other literature of the fourteenth century. Special subjects for individual investigation are assigned to the members of the seminary.

Dr. Brown offers in 1912-13 and again in 1914-15 the following graduate courses:

Beowulf.

Two hours a week throughout the year.

This course gives in the first place a general survey of Beowulf criticism, including textual problems, theories as to the composition of the poem, and an enquiry into its historical and mythological elements. In this connection a study is also made of the other pieces of Anglo-Saxon heathen poetry. This course is open to graduate students who have already taken the course in Anglo-Saxon grammar and reading of Anglo-Saxon texts, or its equivalent.

English Historical Grammar.

Two hours a week throughout the year.

In this course the development of the English Language is traced from the earliest times. After an outline has been given of the history and external relations of English, the change and decay of inflections, the use of prepositions and the more important points in historical syntax are discussed. The course presupposes a knowledge of Anglo-Saxon and Middle English.

Dr. Brown offers in 1913-14 and again in 1915-16 the following graduate course:

Cynewulf and Cædmon.

Two hours a week throughout the year.

Several of the poems traditionally ascribed to these authors are critically studied. Lectures are given with a view to furnishing a thorough introduction to Anglo-Saxon Christian poetry and the literary problems connected with it. This course is open to graduate students who have already taken the course in Anglo-Saxon grammar and reading of Anglo-Saxon texts or its equivalent.

Miss Donnelly conducts in each year the following graduate seminary:

Seminary in English Literature.

Two hours a week throughout the year.

In 1912-13 Swift, Addison, and Steele are studied. Attention is given to their relations to both contemporary politics and literature.

In 1913-14 Shelley and Byron will be studied. Special attention is given to the phases of Romanticism shown in their work and to their relations to their contemporaries in England and on the Continent.

In 1914-15 Milton, Sir Thomas Browne, and Jeremy Taylor will be studied in their relation to the development of English prose in the seventeenth century.

Dr. Upham conducts in each year the following graduate seminary:

Seminary in English Literature.

Three hours a week throughout the year.

In 1912-13 the seminary is devoted to studies in the later romantic movement in England, including the period of its diffusion. Emphasis is placed upon such matters as the Italian and Spanish revival, the new interest in Hellenism, the Tractarian movement in the church, and the various ideals of art represented in the Pre-Raphaelite Brotherhood. Extensive studies in these lines during the first semester prepare for special investigations later.

In 1913-14 the seminary will be concerned with the literary and critical activity of the mid-eighteenth century, centering in Dr. Johnson and his circle. Representative works of the period are read and discussed, and particular attention is directed to such matters as the coterie spirit, the influence of periodical literature, the relations of author and public, the breaking down of classical standards, and the rise of romanticism in England and abroad.

The seminary in 1914-15 will deal with the various phases of English sentimentalism in their relation to continental activities. After tracing the earlier development of the sentimental spirit, a thorough study will be made of the manifestations of this spirit in eighteenth century novel and drama. Particular attention will be given to the bearing of sentimentalism on the beginnings of the romantic movement, and special studies will be made of literary relationships.

Dr. Upham offers in 1912-13 and again in 1914-15 the following graduate course:

Modern Literary Criticism.

Two hours a week throughout the year.

A survey of the important phases of literary criticism in Europe from the neo-classic period, through the development of romanticism, to the present day. Inter-relations of England and the continent will be made prominent. This course will be similar in scope and method to the course in Literary Criticism through the Renaissance.

Dr. Upham offers in 1913-14 the following graduate course:

Literary Criticism through the Renaissance.

Two hours a week throughout the year.

A survey, from the graduate point of view, of the significant movements and documents in the history of European critical theory from Aristotle, through the activities of the Renaissance, to the consummation of the neo-classic code in the seventeenth century. The bearing of these upon English literature will be emphasized throughout. The lectures aim chiefly to indicate outline and relationships, the important feature of the course being the thorough study and frequent discussion of the material.

Dr. Hatcher conducts in each year the following graduate seminary:

Seminary in Elizabethan Literature.

Three hours a week throughout the year.

In 1912-13 Shakespeare is the subject of the seminary. In the first semester as detailed a review as is practicable is made of the results of Shakesperian scholarship as regards critical problems of biography, authorship, chronology and source material of the

plays, a comparison of varying versions of separate plays, the influence of earlier and contemporary dramatists, etc. Dramatic records relating to Shakespeare are also examined at first hand and evidences of his participation in the general dramatic activities of his time noted. In the second semester students are given individual problems for investigation.

In 1913-14 Spenser will be studied in the light of Mediæval and Renaissance culture. The subjects taken up are the inspiration, models, and sources of Spenser's poetry; the many influences working upon him, and those emanating from him, as shown in the significant blending of classical, mediæval, and Renaissance tendencies in his poetry, and his initiative in solving the literary problems of his time. In the first semester all the works of Spenser are read and the results of Spenserian research examined. The second semester is devoted largely to the investigation by each student of some special problem.

In 1914-15 English drama from 1558 to 1642 will be studied, as the chief literary expression of the period. The conditions of its origin and continued production, its nature, extent, variety, development and decadence will be discussed and a reasonable proportion of the extant plays of the period read continuously as a background for other work. A brief introductory study is made of dramatic genres and of the broader principles of dramatic construction, and the remainder of the first semester is devoted to the examination of contemporary documents and other sources of information in regard to Elizabethan drama. In the latter half of the year each student investigates some special problem, such as dramatic inter-relationship or authorship, and gives reports upon her work.

Dr. Brown, Miss Donnelly, Dr. Upham, and Dr. Hatcher together conduct the journal club.

English Journal Club.

One and a half hours a fortnight throughout the year.

The advanced students and the instructors meet to report on and discuss recent reviews and critical articles.

The following advanced undergraduate courses may be attended by graduate students:

Miss Donnelly offers in 1912-13 and again in 1914-15 the following course:

English Poets of the Romantic Movement.

Two hours a week throughout the year.

The poets studied in this course are Wordsworth, Coleridge, and Shelley in the first semester and in the second, Byron, Keats, and Landor. Their works are discussed in class in connection with questions of poetics and literary theory and reports and essays are required from students attending the course.

Miss Donnelly offers in 1913-14 and again in 1915-16 the following course:

English Drama.

Two hours a week throughout the year.

This course is intended to give students that have completed the required course in English a more intimate knowledge of the late Elizabethan and the Stuart drama. The lectures follow the development of the realistic and romantic tendencies in the comedy and tragedy of the period both as an expression of the national life and of the individual genius of the various dramatists. Selected plays of Shakespeare, Middleton, Ben Jonson, Beaumont and Fletcher, and other dramatists are read in connection with the lectures.

Dr. Brown offers in each year the following course:

Anglo-Saxon Grammar and reading of Anglo-Saxon Texts.

Two hours a week throughout the year.

The first semester is devoted to an outline of Anglo-Saxon grammar as presented in Siever's *Old English Grammar* (Cook's translation) and to the reading of the prose selections in Bright's *Anglo-Saxon Reader*. In the second semester after reading one or two of the shorter Anglo-Saxon poems, the *Beowulf* is taken up (Holthausen's or Schücking's text) and the first two-thirds of the poem is read with the class.

Dr. Brown offers in 1912-13 and again in 1914-15 the following course:

Middle English Romances.

Three hours a week throughout the year.

Selected romances are read by the members of the class. The lectures deal with the development of Romance literature in English with special reference to the romances of Germanic origin and the Arthurian cycle.

Dr. Brown offers in 1913-14 the following courses:

Middle English Poetry.

Three hours a week during the first semester.

The course begins with an outline of Middle English grammar sufficient to enable the students to read ordinary texts intelligently. The complete text of the *Owl* and *Nightingale* and *Pearl* will be read, as well as selections from Layamon's *Brut*, Robert of Gloucester's *Chronicle*, Robert of Brunne's *Handlyng Synne*, and Langland's *Vision of Piers the Plowman*. Lectures are given on the development of the language and literature during this period. The course is designed as an introduction to the course on Chaucer given in the second semester but may be taken independently.

Chaucer.

Three hours a week during the second semester.

In this course the best of the *Canterbury Tales* are studied, also the *Legend of Good Women*, *The House of Fame*, and portions of *Troilus* and *Criseyde*. The lectures discuss Chaucer's sources and literary art, and his relation to the English, French, and Italian literature of his time. Students taking this course are recommended, but not required, to have taken the course in Middle English poetry.

Dr. Upham offers in each year the following courses:

The Essay and Novel in the Eighteenth Century.

Three hours a week throughout the year.

In the first semester a preliminary consideration of the rise of the English essay and other literary forms contributory to the novel, is followed by a special study of the *Taller*, *Spectator*, and *Examiner*, of representative picaresque and satirical fiction, and of selected works of Richardson and Fielding. The second semester considers the essay and novel as expressive of eighteenth century life and thought, emphasising the growth of the critical and political essay, and of the larger categories of fiction: novel of manners, novel of character, *doctrinaire* novel, romantic novel, etc. Treatment of technique is continued throughout.

English Critics of the Nineteenth Century.

Three hours a week throughout the year.

Certain English essayists of the nineteenth century are studied with particular regard to their theories of criticism. In the first semester the authors usually chosen are Carlyle, Newman, and Matthew Arnold; in the second semester Ruskin, Pater, and Swinburne are discussed. Occasional short reports and one long paper in each semester must be prepared by the students attending the course.

Miss Donnelly offers in each year the following free elective course:

Descriptive Writing.

Two hours a week during the first semester.

This course consists of lectures on the theory and practice of description. The students are required to write papers.

Dr. Crandall offers in each year the following free elective courses:

Daily Themes.

One hour a week during the first semester.

Short papers on subjects chosen by the students themselves are required from each student and discussed in the class.

Narrative Writing.

Two hours a week during the second semester.

The style and methods of the best modern writers of short stories, both English and French, are treated in this course.

Miss Shearer offers in each year the following free elective course:

Argumentation.

Two hours a week throughout the year.

In the first semester the technique of argumentation is studied, and in the second semester the relation between the laws of thought emphasised in the first semester and the ordinary forms of prose composition is established.

Miss King offers in 1913-14 the following free elective courses:

Victorian Poets.

Three hours a week during the first semester.

The works of Tennyson, Arnold, and Browning are studied.

Victorian Poets (continued).

Three hours a week during the second semester.

The Pre-Raphaelite movement is considered, and Morris, Rossetti, Swinburne, and George Meredith are studied.

Miss King offers in 1912-13 and again in 1914-15 the following free elective course:

Theory and Practice of Verse Composition.

Two hours a week throughout the year.

The course is not historical but theoretical and practical. The lectures deal with the theory of poetry, the difference between poetry and prose, and the laws of verse in English. Students are required to write short exercises in verse every week.

Miss King offers in 1914-15 the following free elective course:

Imitative Writing.

Two hours a week throughout the year.

This course consists of a study of the formation of style by the method of imitation. The lectures deal with the elements and the psychology of style, and as far as may be necessary, with the authors selected for imitation.

Mr. King offers in 1912-13 and again in 1914-15 the following free elective course in English Diction:

General Reading of Prose Authors.

One hour a week throughout the year.

This course is open only to those students who have attended the required course in English diction or who have done equivalent work.

Mr. King offers in 1913-14 and again in 1915-16 the following free elective courses in English Diction:

Reading of Shakespeare.

One hour a week throughout the year.

This course is open only to those students who have taken the required course in English diction. A special study is made of the principles of correct delivery of blank verse. The needs of those students who intend to teach English literature, and desire to read Shakespeare to their pupils, are given special attention.

Mr. King offers in each year the following course in English Diction for graduate students:

General Course in Articulation and Voice Production.

One half hour a week throughout the year.

The object of this course is to train speakers in accurate and distinct articulation and to eliminate the faults of bad production. Speech is resolved into its phonetic elements which are made the basis of practical exercises so arranged as to be progressive in their difficulties.

German.

The instruction in this department is under the direction of Dr. Karl Detlev Jessen, Professor of German Literature, Dr. Agathe Lasch, Associate in Teutonic Philology, and Miss Mary Jeffers* and Miss Bertha Sophie Ehlers, Readers in Elementary German.

GRADUATE COURSES.

The graduate courses offered in German philology may be found under the head of General Teutonic Philology.

Graduate work in the history of modern German literature is conducted according to the seminary method. The courses are so varied that they may be followed by graduate students throughout three successive years and cover the work required of students who offer German literature as a major or a minor for the degree of Doctor of Philosophy.

No undergraduates are admitted to graduate courses.

Dr. Jessen conducts in each year the following graduate seminary:

Seminary in German Literature.

Two hours a week throughout the year.

Although the seminary meets only two hours a week throughout the year, the amount of reading required makes the course equivalent to five hours a week. It is hoped that the students will become familiar in these courses with the methods of scientific literary criticism and investigation.

In 1912-13 the subjects for study and investigation and for reports are taken from Grillparzer during the first semester and from E. T. A. Hoffmann during the second semester.

In 1913-14 Goethe and Schiller will be studied in their personal, literary, and critical relations.

In 1914-15 Friederich Nietzsche and Herman Grimm will form the basis of the work of the seminary.

* Granted leave of absence for the year 1912-13. The course usually given by Miss Jeffers is given by Miss Ehlers in 1912-13.

Dr. Jessen offers in 1912-13 and again in 1914-15 the following graduate courses:

German Metrics.

One hour a week during the first semester.

This course consists of lectures on *Deutsche Metrik* or *Verslehre*, with an introduction to phonetics, this being an indispensable *Hilfswissenschaft* for the study of German literature.

German Poetics.

One hour a week during the second semester.

Lectures are given on *Deutsche Poetik* and *Stilistik*.

Dr. Jessen offers in 1913-14 and again in 1915-16 the following graduate courses:

German Literary Criticism.

One hour a week during the first semester.

The lectures trace the development of literary and æsthetic criticism in Germany from Leibniz to Schiller and Goethe. The course is comparative, and French and English literary criticisms are also considered. Lessing's *Laokoön* and *Hamburgische Dramaturgie* and Schiller's essays on æsthetics are specially studied. The course is open to those students only who have a reading knowledge of French and German.

The German Essay.

One hour a week during the second semester.

The history of the essay in German literature is studied and the most eminent German essayists, Schopenhauer, Herman Grimm, Karl Hillebrand, Friedrich Nietzsche, etc., are discussed. The influence of French, English, and American writers, in particular Montaigne, Macaulay, and Emerson, is traced, and incidentally the evolution of modern German prose style is treated.

Dr. Jessen offers in each year, if the time of the department permits, one of the following graduate courses:

Goethe's *Faust*.

Two hours a week throughout the year.

This course is intended to give a detailed introduction to the problems of *Faust-philologie*, dealing with both the first and second part of *Faust*.

Goethe's Life and Works.

Two hours a week throughout the year.

This course aims at giving an introduction into *Goethe-philologie*.

Dr. Jessen and Dr. Lasch conduct in each year the German Journal Club.

German Journal Club.

Two hours once a fortnight throughout the year.

At the meetings recent books and articles are reviewed and the results of special investigations presented for discussion, comment and criticism.

POST-MAJOR COURSES.

Dr. Jessen offers in 1912-13 and again in 1914-15 the following post-major courses, open to graduate students:

German Literature from 1850 to the present time.

Two hours a week during the first semester.

The subject of this course is, in the first semester, the *Epigonen-Literatur*. The development of the modern German *Novelle* is discussed and Keller's, Storm's, and C. F. Meyer's works are specially studied. A full account of the poets of the *Münchener Schule* is given, in particular of Richard Wagner, Reuter, Groth, Freytag, Spielhagen, Scheffel, Raabe, Geibel, Heyse, and Schack.

German Literature from 1850 to the present time (continued).

Two hours a week during the second semester.

In the second semester among the subjects discussed are the influence of French, Russian, and Scandinavian literatures, especially of the work of Zola and Ibsen on German literature; modern German realism and naturalism as represented by Fontane, Anzengruber, Wildenbruch, Hauptmann, Sudermann, Liliencron, and Rosegger; the increased importance of women in literature, and the work of Marie von Ebner-Eschenbach, Louise von François, Ricarda Huch, Helena Böhlau, Isolde Kurz, Clara Viebig and others; the significance of Nietzsche for German life and literature; neo-romanticism and *Heimatsdichtung*.

Dr. Jessen offers in 1913-14 and again in 1915-16 the following post-major courses, open to graduate students:

Lectures on the History of German Literature from the Romantic School till 1850.

Two hours a week during the first semester.

This course begins with a general study of the principles of philosophy, life, art, and poetry, as represented by the Romantic School, which is followed by lectures on the literary movements, expressed mainly in lyric poetry and in the novel, which supersede the Romantic *Weltanschauung*. The lyrics of the war of liberation, the *Weltschmerz*, and the political revolution; the novel of *Jungdeutschland*; the drama of Heinrich von Kleist; the works of the Schlegels, Tieck, Hölderlin, Jean Paul, Novalis, Uhland, Lenau, Heine, Immermann, Freiligrath, Herwegh, Gutzkow, Mörike, and Gotthelf, are the principal topics discussed.

German Drama in the Nineteenth Century.

Two hours a week during the second semester.

The drama of Heinrich von Kleist is studied with special reference to that of the classical period, and to the dramatic efforts of the Romantics. The place of Grillparzer in German literature is defined, as well as the significance of Grabbe and Raimund. This leads to Otto Ludwig and to Friedrich Hebbel, who is the central figure, chronologically as well as in importance, of the German drama during the nineteenth century. The course ends with a review of Anzengruber, Wildenbruch, Sudermann, Hauptmann, and of other modern writers.

Dr. Jessen offers in each year the following post-major course, open to graduate students:

Advanced Critical Reading.

One hour a week throughout the year.

The reading is selected from works discussed in the post-major lectures on literature. The students give reports on dramas or novels, the object of the discussion being to trace the characteristics of the author, as shown in his works. Special attention will be paid to the needs of students who intend to teach German.

Dr. Lasch offers in each year the following elective course, open to graduate students:

Advanced German Composition.

One hour a week throughout the year.

Difficult English prose selections are translated into German. The intention of the course is to increase the understanding and feeling for written and spoken German. Attention is paid to the needs of students intending to teach German.

GENERAL TEUTONIC PHILOLOGY.

The instruction in this department is under the direction of Dr. Agathe Lasch, Associate in Teutonic Philology.

Special attention is called to the facilities for the study of com-

parative teutonic philology offered by Bryn Mawr College. The English and the German departments together have provided for a complete course in teutonic philology, comprising both the study of the individual languages (Gothic, Norse, Anglo-Saxon, Old Saxon, Old High German, Middle High German, Middle Low German, etc.) and the study of general comparative philology.

The courses in introduction to the study of teutonic philology, Gothic and Middle High German grammar (first-year course), are designed for students in their first year of graduate study in Teutonic languages, and the remaining courses for students in their second or third year.

Students intending to elect teutonic philology are advised to study Greek for at least one year during their undergraduate course.

GRADUATE COURSES.

Dr. Lasch offers in each year the following graduate courses:

Introduction to the Study of Teutonic Philology.

One hour a week throughout the year.

These lectures deal with the following topics: a discussion of Teutonic in its relation to the cognate Aryan languages; a brief sketch of the single Teutonic languages, accompanied by an account of the chief grammatical and lexicographic works on each; a discussion of the aim and method of historical and comparative grammar, including problems such as those of the relationship of dialects and the consistency of phonetic laws; a brief history of Teutonic philology, and finally the outlines of general phonetics.

Gothic.

Two hours a week throughout the year.

Gothic phonetics and inflection are studied in connection with the elements of comparative Aryan grammar. Braune's *Gotische Grammatik* (7th ed., Halle, 1909); or Streitberg's *Gotisches Elementarbuch* (3rd ed., Heidelberg, 1910) are used as text-books.

As a thorough knowledge of Gothic is the foundation of the study of historical and comparative Teutonic grammar, every graduate student of Teutonic grammar is advised to take this course as early as possible. *Die Gotische Bibel* (ed. by W. Streitberg, Heidelberg, 1908) is used by the more advanced students.

Middle High German Grammar and reading of Middle High German Texts.

Two hours a week throughout the year.

This course includes a brief abstract of Middle High German grammar, with special reference to the difference between Middle High German and Modern German, and a study of the most prominent authors in Middle High German. Selections from classical Middle High German poets are read, and also selections from the *Nibelungenlied*, a brief account being given of the history and development of the *Nibelungenlied* and its manuscripts.

Students of Middle High German should be provided with Paul's *Mittelhochd. Grammatik* (7th ed., Halle, 1908), or Michels's *Mittelhochd. Elementarbuch* (Heidelberg, 1900).

This course is required of all students that make German the minor subject in their examination for the degree of Doctor of Philosophy.

The private reading includes the works of the authors treated in the course.

Dr. Lasch offers in 1912-13 and again in 1914-15 the following graduate courses:

Old Saxon.

Two hours a week during the second semester.

The work presupposes on the part of the students a sufficient knowledge of Gothic and Old High German. Holthausen's *Altsächsisches Elementarbuch* (Heidelberg, 1900); the *Heliand* (in Sievers's or Behaghel's edition), and Zangemeister-Braune's *Bruchstücke der altsächsischen Bibeldichtung* (Heidelberg, 1894) are used. The reading is supplemented by a discussion of the West Germanic alliterative verse.

Old Norse.

Two hours a week during the second semester.

This course may, by request, be substituted for the course in Old Saxon.

Students entering this course are supposed to be acquainted with Gothic and with Anglo-Saxon or Old High German grammar. In the grammatical part of the course the Norse sounds and forms are studied and compared with those of the Gothic and West-Germanic dialects. Among the texts read, selections from the younger and the older *Eddas* take a prominent place.

The books used are Kahle's *Altisländisches Elementarbuch* (Heidelberg, 1900 and some of the *Islendinga sögur* (*Altnordische Saga-Bibliothek*) and Hildebrand's *Edda* (2nd ed., Paderborn, 1904).

Attention is called to the facilities afforded for the study of Old Norse. A considerable portion of the library of the late philologist, Th. Wisén, of Lund, was acquired by Bryn Mawr College, and hence the library is probably as well supplied as any other college library in the United States with Old Norse texts, Norse periodicals, and works on Old Norse language and literature.

History of Modern High German.

One hour a week throughout the year.

These lectures deal with the history of the development of the German written language during the Modern High German period. The most important *Kanzleisprachen*, the most prominent *Druckersprachen*, Luther, Modern German sounds and forms in their relation to the German dialects and to the rules of the *Bühnenaussprache*, will be discussed.

Dr. Lasch offers in 1913-14 and again in 1915-16 the following graduate courses:

Old High German.

Two hours a week throughout the year.

This course includes a practical study of Old High German grammar, and a comparison of the Old High German sounds and forms with those of Gothic, Middle and Modern High German. Selections are read from Old High German texts, arranged so as to proceed from easy to more difficult pieces, and to illustrate the difference between the Old High German dialects.

Comparative Teutonic Grammar.

One hour a week throughout the year.

The study of comparative Teutonic philology is recommended to those students only who are acquainted with the single old Teutonic languages, and have studied Gothic, Old High German, Old Saxon, Anglo-Saxon, and Norse. The object of the course is to compare the various old Teutonic languages with each other and with the related Aryan languages,—or in other words (1) to reconstruct the primitive Teutonic language; (2) to point out the characteristic features of primitive Teutonic in distinction from primitive Aryan; (3) to carry down the history of early Teutonic from the period of unity into the early stages of the individual Teutonic languages.

Dr. Lasch offers in each year the following graduate seminary:
Teutonic Seminary.

One hour a week throughout the year.

This seminary is arranged for the benefit of the most advanced students in Teutonic philology. Its object is to encourage independent work on the part of the students. The

work consists mainly of the discussion of special topics by the instructor and the students. Members of the seminary are expected to study the literature on these subjects, and to make an effort to contribute some additional material, or an independent opinion of their own.

In 1912-13 Old High German texts such as *Merseburger* and *Trierer Zaubersprüche*, *Muspilli*, and *Hildebrandslied* are studied. The many problems that these texts offer and the various attempts to solve them are discussed.

In 1913-14 the subjects of the seminary will be taken from Middle High German texts. Problems in text criticism as well as literary problems connected with the works of Middle High German poets either of the classical period or of the periods preceding or following it are discussed.

In 1914-15 the first semester will be devoted to High German texts from the fourteenth to the seventeenth century. The material will be taken either from official documents of this period belonging to various parts of Germany or from the works of writers such as Murner, Hans Sachs, Luther, and others; or from grammatical works of this period in Müller's *Quellenschriften und Geschichte des deutschsprachlichen Unterrichts*, John Meier's *Neudrucke älterer deutscher Grammatiken*, etc. They are selected to illustrate the development of Modern High German. In the second semester Old Saxon texts (*Heliand* and *Genesis*) will be studied.

The order of these seminary subjects may be changed in accordance with the requirements of the students in any particular year.

In addition to the above courses, others in Old Frisian, Dutch, Middle Low German, or Modern Low German may be arranged for students that have previously studied Gothic, Old and Middle High German, Anglo-Saxon, and Old Saxon.

ROMANCE LANGUAGES.

French.

The instruction in this department is under the direction of Dr. Albert Schinz, Professor of French Literature, Dr. Richard Thayer Holbrook, Associate Professor of French Philology and Italian, M. Louis Cons, Associate in French, Miss Marie Hopp, Reader in Elementary French, and Miss Eunice Morgan Schenck, Reader (elect) in French.

GRADUATE COURSES.

There are offered each year three distinct graduate courses in French, two in literature and one in language, and these courses are varied so that they may be pursued by students through three or more consecutive years.

Graduate students interested in the study of literature will find it to their advantage to attend the lectures on French literature two hours a week throughout the two years of the major course in French.

Dr. Schinz conducts in each year the following graduate seminary:

Seminary in French Literature.

Three hours a week throughout the year.

In 1912-13 the subject of the seminary is Montaigne. Various problems connected with his life, his relations to Protestantism and to the political problems of his time, the question of the authorship of the *Discours sur la servitude volontaire*, the origin and sources of the essays, Montaigne and the Renaissance, and Montaigne and Plutarch are discussed. A special study is made of Montaigne's style and of the *Apologie de Raymond de Sebonde*.

In 1913-14 Rousseau is the subject of the seminary. In the first semester, after a discussion of his life, a study is made of the *Confessions*, *Réveries*, and *Correspondance*. Special attention is paid to the controversy *Confessions* versus *Mémoires d'Epinaï*, transformed by the discoveries of Mrs. MacDonald. The questions of Rousseau's insanity and suicide are discussed. The second semester is devoted chiefly to the study of Texte's *Jean Jacques Rousseau et le cosmopolitisme littéraire*. The *Lettre à d'Alembert* and the *Nouvelle Héloïse* serve as a text to this theory.

In 1914-15 the subject of the seminary is Victor Hugo. The seminary deals with his lyrical works. The following subjects are treated: Victor Hugo as a Royalist and Catholic poet; his indebtedness to Chateaubriand, Nodier, Sainte-Beuve and other contemporaries; his attitude towards Napoleon I., the Republic of 1848 and Napoleon III.; and his social, political and religious ideas in the period of his maturity and of his old age.

M. Cons conducts in each year the following graduate seminary:

Seminary in French Literature.

Two hours a week throughout the year.

In 1912-13 a study is made of Rabelais. The investigations of Abel Lefranc on Rabelais are brought into connection with the "Conteurs" and also with such writers as Bernard Palissy and Ambrose Paré.

In 1913-14 the subject of the seminary will be Molière. The subjects studied will be: French Comedy before Molière; Molière's comedies, their Latin, Italian, and French sources; his style and method of composition; the nature of his "comique," his philosophy and his morality.

In 1914-15 the subject of the seminary is Romanticism and Realism in the 19th century as illustrated by Chateaubriand, Sénancourt, Benjamin Constant, De Maistre, Lamennais, Fourier, Saint-Simon, and others; Romanticism of Victor Hugo; a careful study of *Les Misérables*; philosophical and historical realism (Renan, Taine).

In 1915-16 the subject of the seminary is *La 'Matière de Bretagne' et l'épopée courtoise*. The course includes a careful study of the *Lais* of Marie de France, the poems referring to Tristan, and the *Romans* of Chrétien de Troie; these are studied in connection with the question of their origin in Celtic countries and their later development in France. The different theories that have been proposed as to their origin and evolution are examined and discussed and an attempt is made to determine their comparative value.

Dr. Holbrook offers in each year the following graduate courses:

The course in Old French Philology is intended for students in their first year of graduate study; that in Provençal and the Old French Seminary for students in their second or third year of graduate study; the Journal Club may be attended by students in their first, second, or third year of graduate study. The course in Old French Readings is designed to be taken in connection with the seminary in Old French.

Old French Philology.

Three hours a week throughout the year.

This course consists of lectures on the phonology, morphology, and syntax of Old French, and is designed not only for students whose main pursuit is Romance philology, but also for those who wish to acquire more precise knowledge of the French elements in Middle English. The main principles of Historical Grammar are studied in the *Extraits de la*

Chanson de Roland, published by Gaston Paris, and in various texts in L. Constans's *Chrestomathie*. Other books used are Passy's *Sounds of the French language*, Grandgent's *Introduction to Vulgar Latin*, Nyrop's *Grammaire Historique de l'Ancien Français*, and Schwan-Behrens's *Grammaire de l'Ancien Français*.

Old French Readings.

Two hours a week throughout the year.

Various typical Old French masterpieces are studied from a scientific standpoint. The essential facts of Old French grammar are reviewed and rare or difficult locutions are minutely examined for the sake of precise interpretation; dialectal features are considered and attention is given to the relation of manuscripts to printed texts. In addition to the works named below, students are expected to supply themselves with Gaston Paris's *Littérature française au moyen âge*.

The following courses may be rearranged to suit the needs of students in any particular year:

In 1912-13 this course is devoted chiefly to study of the following texts: *Maistre Pierre Pathelin* and Villon.

In 1913-14 attention will be given mainly to epic and historical works: Wace, *Le pèlerinage de Charlemagne*, Villehardouin, Joinville, and other chroniclers.

In 1914-15 the texts studied will be Marie de France (*Lais*), *Aucassin et Nicolette* and the *Yvain* or *Cligès* of Chrestien de Troyes.

Old French Seminary.

Two hours a week throughout the year.

The work of the seminary is on the most important Old French dialects. Texts in Norman, Picard, Francian and Franco-Provençal are studied with reference to their dialectal features in order that the student may acquire the power to determine approximately the origin of other texts in which the same dialectal features occur.

Old Provençal.

Two hours a week throughout the year.

This course is intended for students of Old French who wish to begin the study of the language and literature of the Troubadours. The books required are Grandgent's *Outline of the Phonology and Morphology of Old Provençal* (Boston, 1905) and Appel's *Provenzalische Chrestomathie* (latest édition).

Dr. DeHaan, Dr. Schinz, Dr. Holbrook, and M. Cons together conduct the journal club in Romance languages.

Romance Languages Journal Club.

One and a half hours a fortnight throughout the year.

The journal club is intended to make the advanced students familiar with all the important European periodicals and with new books dealing with Romance Philology. For each session of the club an important article chosen from some one of the various periodicals is assigned to a student for review. The student is also referred to previous articles or publications treating of the same subject as that of the review, and is expected to present to the club a chronological outline of the history and stages of the discussion on the given point. Thus the students become familiar with the names of leading Romance scholars and with the particular lines of research in which each of the latter excels. At the same time such reviews prepare the way for seminary work and original investigations.

POST-MAJOR COURSES.

Dr. Schinz offers in 1912-13 and again in 1914-15 the following post-major course, open to graduate students:

French Lyric Poetry of the Nineteenth Century.

Two hours a week throughout the year.

In the first semester the lectures treat lyric poetry until the year 1866. Special attention is paid to the period from 1850 to 1866, while Lamartine, Hugo, Sainte-Beuve, de Vigny, and de Musset are treated only so far as is necessary for the understanding of the evolution

of lyric poetry in their successors, Baudelaire, Gautier, de Banville, Leconte de Lisle, etc. The lectures of the second semester treat contemporary lyric poetry from 1866 to 1886. A careful study is made of the Parnassian school.

Dr. Schinz offers in 1913-14 and again in 1915-16 the following post-major course, open to graduate students:

The Short Story (*Nouvelle*) in the Nineteenth Century.

Two hours a week throughout the year.

The *genre nouvelle* is studied in connection with the following writers: Xavier de Maistre, Chateaubriand, Nodier, de Vigny, de Musset, Balzac, Mérimée, Gautier, Laboulaye, Daudet, Bourget, Maupassant, France, Coppée, Loti, Villiers de l'Isle Adam, de Régnier, and others.

M. Cons offers in 1912-13 the following post-major course, open to graduate students:

Women Writers of the Renaissance.

Two hours a week throughout the year.

The course deals with the importance and influence of Louise Labbé and the School of Lyons; the three Marguerites: Marguerite de Navarre, Marguerite de France, Marguerite de Valois.

M. Cons offers in 1913-14 the following post-major course, open to graduate students:

Modern Literary Schools and Tendencies in France.

Three hours a week throughout the year.

Modern French Symbolists from Verlaine to the writers of the present day will be studied in connection with modern conditions in France.

M. Cons offers in 1914-15 the following post-major course open to graduate students:

Modern French Drama.

Three hours a week throughout the year.

The lectures deal with post-romanticism, realism and mysticism on the French stage. Rostand, Brieux and Maeterlinck will be specially studied.

Miss Schenck offers in 1913-14 the following post-major course open to graduate students:

Old French.

Two hours a week throughout the year.

This course is primarily intended for undergraduate students who wish to acquire a reading knowledge of Old French. The most essential facts of Old French grammar will be summarized in introductory lectures and such texts as the following will be read: *Extraits de la Chanson de Roland*, Gaston Paris; *Chrestomathie de l'Ancien Français*, L. Constans (representative passages from texts composed between the ninth century and the middle of the fifteenth). *Aucassin et Nicolette*, edited by H. Suchier; *Le Garçon et l'Aveugle*, edited by M. Roques.

Italian.

The instruction in this department is under the direction of Dr. Richard Thayer Holbrook, Associate Professor of French Philology and Italian.

GRADUATE COURSES.

Dr. Holbrook offers in each year the following graduate courses:

Italian Philology.

One hour a week throughout the year.

This course presupposes a knowledge of Old French Philology and the equivalent of the minor and major courses in Italian offered at Bryn Mawr College. The work is founded upon the treatise entitled *Die Italienische Sprache* by D'Ovidio and Meyer Lübke in Gröber's *Grundriss* (Strassburg, 1906). Various passages from thirteenth and fourteenth century authors are examined critically from a phonological and morphological point of view.

Old Italian Readings.

One hour a week throughout the year.

Students should provide themselves with the first volume of D'Ancona and Bacci's *Manuale della Letteratura Italiana* (Florence, 1904).

Dr. DeHaan, Dr. Schinz, Dr. Holbrook and M. Cons together conduct the journal club in Romance languages.

Romance Languages Journal Club.

One and a half hours a fortnight throughout the year.

Dr. Holbrook offers in each year the following undergraduate courses, open to graduate students:

FIRST YEAR.

Modern Italian.

Five hours a week throughout the year.

This course is designed to prepare beginners for the study of Italian literature, as well as for the practical use of the language. Reading is taken up from the start, a careful pronunciation is insisted upon, and the essentials of the grammar are taught by a critical observation of the texts used and by graded exercises in the rendering of English into Italian. The books used are the following: C. H. Grandgent's *Italian Grammar*; Stories by Fogazzaro and Hecker's *Il Piccolo Italiano*; Giuseppe Finzi's *Petrarca* (1900); De Marchi's *Storie*; selections from the verse and prose of Renato Fucini and others.

SECOND YEAR.

Italian Classical Literature.

Three hours a week throughout the year.

The work in this course is to study selections in verse and prose from Ariosto and Tasso, then all the *Inferno* and parts of the *Purgatorio* and *Paradiso*. For Ariosto and Tasso the study of difficult modern prose and poetry may be substituted, with exercises in writing and speaking. Training in pronunciation will be given throughout the course. The lectures on literature are delivered in Italian.

Spanish.

The instruction in this department is under the direction of Dr. Fonger DeHaan, Professor of Spanish.

GRADUATE COURSES.

Dr. DeHaan offers in each year the following graduate courses:

Lectures in Spanish on Spanish Literary History till the death of Calderon (1681). *One hour a week throughout the year.*

The lectures are supplemented by extensive private reading of important works.

Essays in Spanish.

Two hours a week throughout the year.

Spanish Philology.

One hour a week throughout the year.

Old Spanish Readings.

One hour a week throughout the year.

Dr. DeHaan, Dr. Schinz, Dr. Holbrook and M. Cons together conduct the journal club in Romance languages.

Romance Languages Journal Club.

One and a half hours a fortnight throughout the year.

POST-MAJOR COURSES.

Dr. DeHaan offers in each year the following post-major course, open to graduate students:

Spanish.

Two hours a week throughout the year.

This course in composition and conversation is offered to those students who have completed the second-year course or its equivalent.

Dr. DeHaan offers in each year the following undergraduate courses, open to graduate students:

FIRST YEAR.

Spanish.

Five hours a week throughout the year.

The object of this course is to give beginners a good knowledge of modern Spanish, and to ground them thoroughly in the essentials of the grammar. As a preparation for understanding the spoken language, two half-hours a week during the second semester are devoted to dictation. The books studied are the following (taken up in the order indicated): DeHaan's *Cuentos Modernos*; Pérez Nieva, *Tomás el torrero* (Madrid, *Colección Klong*); De Haan's *Selected Works of G. A. Béquer*; Hartzenbusch, *Los Amantes de Teruel* (*Obras*, vol. III.); Zorrilla, *Granada* (Madrid, 1895, 2 vols.).

Private reading: Palacio Valdés, *José*; Galdós, *Marianela*.

SECOND YEAR.

Lectures in Spanish on Spanish Literary History of the Nineteenth Century.

Two hours a week throughout the year.

Spanish Composition.

One hour a week throughout the year.

Critical Reading in Spanish.

Two hours a week throughout the year.

Private reading: Private reading supplementing the lectures on literary history comprises representative works in the various branches of literature.

COMPARATIVE LITERATURE.

The instruction in this department is under the direction of Dr. Orie Latham Hatcher, Associate Professor of Comparative Literature and Elizabethan Literature, Dr. Alfred Horatio

Upham, Associate Professor of English Literature, and Miss Georgiana Goddard King, Lecturer in the History of Art and Comparative Literature.

GRADUATE COURSES.

The seminary in comparative literature changes its subject of study from year to year through a cycle of three years. It may be taken by graduate students of English in connection with the seminary in Elizabethan literature or may be elected separately. The courses in literary criticism extend through two years, but may be elected separately. Students intending to do special work in comparative literature are advised to begin the study of Italian or Spanish.

Dr. Hatcher conducts in each year the following graduate seminary:

Seminary in Comparative Literature. *Two hours a week throughout the year.*

In 1912-13 Renaissance comedy, chiefly in the sixteenth century, is studied. Some preliminary consideration is given to mediæval contributions to Renaissance comedy, but Ariosto's revival of classical comedy is taken as the special starting point, and the development of literary comedy traced through other Italian plays and through the French, Spanish and English to that of the earlier Jacobean dramatists. The various types of comedy are analysed and illustrated in the reading required. Pre-requisite for the course, French and either Italian or Spanish.

In 1913-14 the seminary will undertake the study of Renaissance fiction on the continent as related to Elizabethan fiction and drama, the study of fiction being here practically restricted to that of the novella or short prose tale. Boccaccio, Cinthio, Bandello, Margaret of Navarre, Desperiers, Belleforrest, Painter, Pettio, Whetstone, etc., are among the novelists studied. Pre-requisite for the course, French and either Spanish or Italian.

In 1914-15 the subject of the seminary is the lyric poetry of the later Renaissance. The Italian lyrics of the fifteenth and sixteenth centuries are studied with reference both to their Provençal and early Italian origins, and to their bearing upon later French and English lyrics. Considerable stress is laid upon the study of verse forms and the development of theories of versification. The first semester is given to reading of the literature involved and reviews of the results of critical investigation in the field. In the second semester each student devotes her time to some individual topic. Students desiring to take this course must consult the instructor as to linguistic equipment.

Dr. Upham offers in 1912-13 and again in 1914-15 the following graduate course:

Modern Literary Criticism. *Two hours a week throughout the year.*

A survey of the important phases of literary criticism in Europe from the neo-classic period through the development of romanticism to the present day. Inter-relations of England and the continent will be made prominent. This course will be similar in scope and method to the course in Literary Criticism through the Renaissance.

Dr. Upham offers in 1913-14 the following graduate course:

Literary Criticism through the Renaissance.

Two hours a week throughout the year.

A survey, from the graduate point of view, of the significant movements and documents in the history of European critical theory from Aristotle, through the activities of the Renaissance, to the consummation of the neo-classic code in the seventeenth century. The bearing of these upon English literature will be emphasized throughout. The lectures aim chiefly to indicate outline and relationships, the important feature of the course being the thorough study and frequent discussion of the material.

The following undergraduate courses may be attended by graduate students:

Dr. Hatcher offers in each year the following courses:

The Pastoral.

Three hours a week throughout the year.

The lectures and reading involve recognition of the large debt of the moderns to the classical pastoralists, but are chiefly devoted to the rise and decadence of the pastoral mode in the Romance literature and in English as expressed in eclogue, pastoral, lyric, romance, and drama. A reading knowledge of Latin and one Romance language is required.

Renaissance Lyrics.

Three hours a week throughout the year.

The course is concerned with the rise of the modern literary lyric among the Troubadours, and the spread of Provençal and other early Romance lyric forms in Italy, France, Germany, Spain and England. A knowledge of Latin and of two modern languages in addition to English is required.

Miss King offers in 1912-13 and again in 1913-14 the following course:

The Culture of the Renaissance.

Two hours a week throughout the year.

The study of the literature of the Italian Renaissance begins with an examination of its ideals of education and character, and, after a short excursus on the influence of the other arts upon literature between 1300 and 1600, indicates the chief differences which appeared as the movement reached its culmination in France and England, and the standards of taste and ideals of life which it finally imposed. The class studies in connection with this the chief types of literary form as they took shape in Italy and were adopted and altered elsewhere.

Miss King offers in 1913-14 and again in 1914-15 the following course:

The Continental Developments of Romanticism in the Nineteenth Century.

Two hours a week throughout the year.

The course deals with the rise and growth of the ideals of revolution in continental literature from the birth of Byron to the death of Swinburne. The literature of revolt is studied with special attention to poetry as well as to the novel, to the successive phases of early romanticism, mid-century realism, and the new return to romanticism.

SEMITIC LANGUAGES AND BIBLICAL LITERATURE.

The instruction in this department is under the direction of Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages.

The college was particularly fortunate in securing in the year 1892 the library of the late M. Arthur Amiaud, of Paris. While

M. Amiaud was especially eminent as an Assyriologist, he was also prominent as a general Semitic student. His library was the collection of an active scholar, and forms a working library for the student in every department of Semitic study. It is especially rich in the Hebrew, Syriac, and Assyrian languages, containing several works, indispensable to the student, which are now out of print. Another Semitic library containing many works on the Talmud and on Jewish literature was acquired in 1904. Mr. Albert J. Edmunds presented to the college in 1907 his library of 500 volumes on the history of religion. The contents of these libraries, together with the books already owned by the college and those easily accessible in neighboring libraries, form an exceptionally good collection of material for the specialist in Semitic languages. A good working collection of cuneiform tablets is under the control of the department, and affords an excellent opportunity for students of Assyrian to become familiar with original documents.

GRADUATE COURSES.

The graduate courses in Semitic languages are varied from year to year, as indicated below, so that they may be pursued by a student for four successive years. Those who offer Semitic languages as the major subject in the examination for the degree of Doctor of Philosophy are required to spend in Semitic work half their time for at least three years.

The work of the department is so arranged that students may specialise in Hebrew or Assyrian. Students who offer Hebrew or Assyrian as the major subject in the examination for the degree of Doctor of Philosophy must possess a knowledge of the grammatical forms of five Semitic languages and in this enumeration Syriac and Jewish Aramaic may not count as separate languages. Students that offer Semitic languages as the minor subject in the examination for the degree of Doctor of Philosophy must show that they have a knowledge of three Semitic languages.

The regular alternation of courses is indicated below and at least five hours a week will be given in each year, the courses being selected according to the needs of the graduate students. Graduate students may enter in any year of the four years' course, as there will be afforded each year an opportunity for graduate students to begin Hebrew.

No undergraduates are admitted to graduate courses.

Dr. Barton offers in 1912-13 and again in 1914-15 the following graduate courses:

Semitic Seminary.

Two hours a week throughout the year..

This seminary is devoted to Hebrew or Assyrian, the languages that may be offered as major subjects for the doctor's degree. The time may be devoted to one of these languages, or may be divided between the two, according to the needs of the students. In Assyrian the subject may be chosen from one of the following: the oldest Babylonian inscriptions, temple archives of Telloh, Sumerian hymns, the code of Hammurabi, or mythological poetry. In Hebrew, one of the following subjects may be selected: Job, the Psalter, Isaiah, Jeremiah, Ecclesiastes and the Song of Songs, or Hebrew Epigraphy. In the Hebrew seminary the students are trained in textual criticism through the use of the ancient versions.

Elementary Semitic Languages.

Two hours a week throughout the year.

This course may be devoted to the elements of Hebrew, or of Aramaic (Syriac and Jewish Aramaic), or Assyrian, or Arabic according to the needs of the students. The time may, if necessary, be divided between two of these languages.

Hebrew Literature.

One hour a week throughout the year.

This course is devoted to a study of the Prophets, the Pentateuch, and the historical books of the Old Testament.

Seminary in New Testament Greek.

One hour a week throughout the year.

A thorough study is made of some book of the New Testament, and the students are guided in critical studies, both textual and historical.

Seminary in Aramaic and Arabic.

Two hours a week throughout the year.

This seminary is devoted to Arabic or Aramaic, the languages that may be offered as minor subjects for the doctor's degree. The time may be devoted to one of the languages, or may be divided between the two, according to the needs of the students. In Arabic the subject may be chosen from one of the following: the Coran, pre-Islamic poetry, Arabic geographers, or South Arabic inscriptions. In Aramaic, one of the following subjects may be selected; a comparative study of the Syriac Versions of the Gospels, the Syriac Version of one of the Old Testament books, the writings of Gregory Bar Hebraeus, or of Efraem, the Targum on one of the Old Testament books, the Talmud, or Aramaic inscriptions.

Hebrew, The Prophets.

One hour a week throughout the year.

The text of one or more of the Prophets is critically interpreted, and Hebrew syntax and composition are studied.

Ethiopic.

One hour a week throughout the year.

The grammar and *Chrestomathia* of Praetorius and Dillmann are used, and in the latter part of the course selections are read from the book of Enoch.

Dr. Barton offers in 1913-14 the following graduate courses:

Semitic Seminary.

Two hours a week throughout the year.

The work of the seminary is continued as given in 1912-13.

Comparative Semitic Grammar.

One hour a week throughout the year.

The grammar of Brockelmann is used as a basis with comparisons from the Egyptian and other Hamitic languages.

Egyptian.

One hour a week throughout the year.

The elements of Egyptian and Coptic grammar are taught, and some texts in each language interpreted.

FREE ELECTIVE COURSES.

The courses in Biblical Literature and Oriental History are intended primarily for undergraduate students, but may be elected by graduate students also.

Dr. Barton offers in 1912-13 and again in 1914-15 the following free elective courses in Biblical literature:

New Testament Biography.

Two hours a week throughout the year.

The first semester of this course is devoted to a careful study of the life and teaching of Christ; the second semester to the life and teaching of St. Paul. The Gospels and Epistles are read, together with the most helpful of the modern works on these topics. The course is illustrated by photographs of the most important places connected with the lives of Christ and St. Paul.

History of the Old Testament Canon.

One hour a week throughout the year.

In this course the history of the composition and collection of the books of the Old Testament is studied. The instruction is given in lectures, and reading is assigned in the Old Testament and in modern literature concerning it.

Dr. Barton offers in 1913-14 and again in 1915-16 the following free elective courses in Biblical literature:

History of Christian Doctrine.

Two hours a week throughout the year.

In the first semester Christianity is studied as presented by its Founder and by the apostles, and in the second semester the history of Christian doctrine from 100 A.D. to the present time is briefly reviewed, and problems presented by modern thought are touched upon.

History of the New Testament Canon.

One hour a week throughout the year.

This course consists of a study of the New Testament, similar in its methods and aims to the course on the Old Testament Canon.

Dr. Barton offers in each year the following course:

Oriental History.

Three hours a week throughout the year.

This course treats in broad outlines the history and civilisation of the Classical Orient. The beginnings of the Hamito-Semitic race, and the influence of environment upon its primitive institutions are first studied. The separation of the races into the different nations is then traced, and the history of the principal Oriental nations, Egyptians, Babylonians, Assyrians, Phœnicians, Hebrews, Hittites, Sabæans, and Persians; of Alexander and his successors; of the Parthians, and the oriental empire of the Romans, is followed in outline. Special attention is paid to the history of the Hebrews, and to their unique religious contribution to the civilisation of the world. The course concludes with a study of the Arabic caliphates, and of Mohammedan civilisation. The lectures are illustrated by archæological specimens and by photographs. Either semester may be elected separately.

Dr. Barton offers in each year, when the time of the department permits, the following free elective courses:

Biblical Geography and Archæology.

Two hours a week throughout the year.

The course begins with a survey of the physical features of Palestine and an estimate of their effect upon its civilisation. The succession of races dominant in Palestine since the beginning of history is then reviewed, after which the positions of the places important in the Biblical narratives are carefully noted. The principal Biblical narratives are studied in connection with the geography of the country and the archæological remains of the period. In this way the narratives of the Patriarchs, Kings, Prophets, and Apostles, as well as the life of Christ, are illustrated. The course is illustrated by photographs. Use is made throughout the course of the publications of the Palestine Exploration Fund, and of other modern explorers.

New Testament Greek.

Two hours a week throughout the year.

This course presupposes a knowledge of classical Greek. After some introductory lectures on the formation and peculiarities of the New Testament Greek, one hour a week during the first semester is devoted to lectures on the history of the New Testament text, both in its written and in its printed form, the helps extant for emending it, and the method of using them. The remainder of the time is devoted to the interpretation of the New Testament Epistles, especially those of Paul. The students are expected to read privately during the first semester the text of one of the Gospels, and during the second, either the *Acts of the Apostles*, the *Apocalypse*, or the *Epistle to the Hebrews*.

HISTORY.

The instruction in this department is under the direction of Mr. Clarence H. Haring, Associate in History, Dr. William Roy Smith, Associate Professor of History, and Mr. Frederick Aldrich Cleveland, Lecturer in History, Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages, and Dr. James Fulton Ferguson, Associate in Latin and Ancient History.

GRADUATE COURSES.

Two distinct seminary courses in English and European history and in American history are offered to graduate students in history in addition to a course in Historical Method and Bibliography and the direction of private reading and original research.

No undergraduates are admitted to graduate courses.

Mr. Haring conducts in each year the following graduate seminary:

Seminary in English and European History.

Three hours a week throughout the year.

In 1912-13 the subject of the seminary is England under the early Stuarts. The work is concerned especially with foreign policy and the organisation and expansion of foreign trade.

In 1913-14 the seminary will deal with social and economic problems in the history of England under the Tudors. The growth of capital and its effect on commercial and industrial practice, enclosures and the decay of agriculture, the rise in prices, foreign commercial policy and the evolution of the merchant companies are among the topics for discussion.

In 1914-15 the subjects of the seminary will be the economic relations of Spain with Europe and America in the sixteenth century, the creation of the Spanish system of commercial monopoly centered at Seville, the evolution of the scheme of annual treasure fleets to Vera Cruz and Nombre de Dios, the growth of Spanish-American trade and the share in that trade acquired by the northern maritime nations, and the influence of the importation of bullion from Mexico and Peru upon prices in Spain and the rest of Europe.

Dr. W. R. Smith conducts in each year the following graduate seminary:

Seminary in American History.

Two hours a week throughout the year.

In 1912-13 the American colonies in the seventeenth and eighteenth centuries are the subjects of the seminary. The political, constitutional, and social problems of the colonies in the seventeenth century are studied in the first semester. In the second semester

special stress is laid upon the development in the eighteenth century of the imperial administrative machinery and upon the ethnical distribution of population in the colonies.

In 1913-14 the revolution, the confederation and the constitution will be the subjects of study. American history from 1776 to 1789 will be discussed primarily from the local point of view as a step in the conflict between the seaboard aristocracy and the democracy of the frontier. The social and economic forces which led to the adoption of the Federal Constitution and the subsequent formation of national political parties will be investigated.

In 1914-15 the subject of the seminary will be slavery and the negro problem. After a preliminary survey of the history of slavery in the colonial period such topics as the slavery compromises of the constitution, the growth of slavery in the South, the abolition of the slave trade, the Missouri Compromise, the anti-Slavery movement, nullification, the Mexican War, the Wilmot Proviso, the compromise measures of 1850, the Kansas-Nebraska bill, the Dred Scott decision, the abolition of slavery, and the adoption of the thirteenth, fourteenth and fifteenth amendments will be discussed. Special attention will be paid to the conflict between sectionalism and nationalism and the connection between slavery, territorial expansion, and the development of constitutional theories.

Mr. Cleveland offers in 1913-14 the following graduate course:

Historical Method and Bibliography. *One hour a week throughout the year.*

The matters dealt with in this course are the field of history and its relations to allied subjects; the evolution of the scientific historical method; the outlines of historical bibliography; the great collections of printed material; archives and MSS.; the work and rank of leading historians of the modern school. A reading knowledge of French and German is required.

Mr. Haring, Dr. Smith and Mr. Cleveland conduct in each year the historical journal club.

Historical Journal Club. *Two hours once a fortnight throughout the year.*

The instructors in the department of history and the graduate students who are pursuing advanced courses in history meet once a fortnight to make reports upon assigned topics, review recent articles and books, and present the results of special investigations.

POST-MAJOR COURSES.

Mr. Haring offers in 1913-14 and again in 1915-16 the following post-major course, open to graduate students:

England under the Stuarts. *Two hours a week throughout the year.*

The principal aspects of the narrative and constitutional history of England in the seventeenth century will be studied in some detail. Use will be made of general histories but the work of the students will, as far as possible, be done from State papers, published correspondence, etc. The course will be conducted by lectures, discussions and oral reports from members of the class.

Mr. Haring offers in 1914-15 and again in 1916-17 the following post-major course, open to graduate students:

England under the Tudors. *Two hours a week throughout the year.*

This course is conducted on the same general plan as the preceding course.

Dr. W. R. Smith offers in 1912-13 and again in 1914-15 the following post-major course, open to graduate students:

American Constitutional History, from 1783 to 1865.

Three hours a week throughout the year.

The lectures deal with the leading aspects of the political, constitutional, and economic history of the United States from the ratification of the constitution to the present time. The text-book used is MacDonald's *Select Documents of the History of the United States*, but frequent additional references are given to the leading secondary authorities. To a limited extent use will be made of such documents as are available in the library, and special topics will be assigned for discussion and report.

Dr. W. R. Smith offers in 1913-14 and again in 1915-16 the following post-major course, open to graduate students:

American Constitutional History to 1783.

Three hours a week throughout the year.

The text-books used in the course are MacDonald's *Select Charters of American History* and *Select Documents of the History of the United States*. The members of the class are also systematically referred, not only to the general authorities, but also to colonial charters and constitutions, the records of the colonial governments as far as they are available, the journals of Congress, and other documentary materials.

Mr. Cleveland offers in 1912-13 the following post-major course, open to graduate students:

England since 1714.

Two hours a week throughout the year.

This course is conducted by means of lectures, assigned readings, and written reports. Its purpose is rather to explain than to narrate. Therefore the treatment is topical as well as chronological, emphasis being laid upon those political, social, and constitutional changes which seem to have made modern England. Among the topics discussed are the rise and fall of the Whig oligarchy, the evolution of the cabinet system, the rise of Methodism, the American Revolution as a constitutional question, England and the French Revolution, the industrial revolution, parliamentary reform, England and the Monroe doctrine, the repeal of the corn laws, Home Rule, and present-day Liberalism.

Dr. Ferguson offers in 1913-14 and again in 1915-16 the following post-major course, open to graduate students:

The Roman Empire in the Third and Fourth Centuries.

Two hours a week throughout the year.

In this course a study is made of the forces which led to the fall of the Western Empire. Economic decay, the caste system, religion, the growth of absolutism, are subjects which will be specially studied. Independent investigation of particular topics will be required.

Dr. Ferguson offers in 1914-15 and again in 1916-17 the following post-major course, open to graduate students:

The Hellenistic Age.

Two hours a week throughout the year.

This course consists of a study of the Greek world from Alexander to its conquest by Rome; special emphasis will be placed on commercial expansion, growth of national tendencies, intellectual awakening, and the effect on the Roman world. Independent investigation of particular topics will be required.

ECONOMICS AND POLITICS.

The instruction in this department is under the direction of Dr. Marion Parris Smith, Associate Professor of Economics and Politics, Mr. Sydney D. M. Hudson, Lecturer in Political Science, and an instructor in Economics and Politics whose appointment will be announced later.

GRADUATE COURSES.

Two seminars in economics and one in politics are offered each year in addition to the direction of private reading and original research. Post-major courses amounting to five hours a week which may be elected by graduate students are given in each year.

No undergraduates are admitted to graduate courses.

Dr. M. P. Smith offers in each year the following graduate seminary:

Economic Seminary.

Two hours a week throughout the year.

In 1912-13 the subject of the seminary is a critical study of modern theories of value. The works of Ehrenfels, Meinong and Urban are studied and criticised.

In 1913-14 the subject of the seminary will be the problems of distribution and the agencies in modern social life that effect the distribution of wealth. Special attention will be paid to the study of the minimum wage, the various plans for controlling large scale production, modern land systems, etc.

In 1914-15 the subject of the seminary will be a critical study of modern theories of value in Germany, England, and America.

Mr. Hudson offers in each year the following graduate seminary:

Political Seminary.

Three hours a week throughout the year.

The methods of instruction in the seminary are designed to guide advanced students in special research work along the lines indicated by the titles of the courses. Some lectures are given but the main attention is devoted to the presentation and criticism of the results of studies made by the students themselves.

In 1912-13 Private Rights under the Constitution of the United States is the subject of the seminary. Attention is devoted both to the content of the rights protected and to the means through which the protection is effected. In this latter connection the origin of the power of the Supreme Court of the United States to pass upon the constitutionality of acts of Congress and of the State Legislatures; the principles which have guided the Court in the use of the power, and the criticisms which have been advanced with regard to the action of the Court are treated. The investigation of the content of constitutionally protected private rights is concerned chiefly with a study of cases dealing with combinations of labor and capital; social legislation, particularly government aid to dependent and semi-dependent classes; the control of public utilities; limitations upon the taxing power; class discriminations; various modes of administrative procedure.

In 1913-14 a study will be made of the origin and content of the political thought expressed in the Constitution of the United States. American political ideas of the constitution-making period will be considered in relation to their colonial and European sources. Chief attention, however, will be devoted to the debates in the Convention of 1787, the discussion of the constitution in connection with the state-ratifying conventions, and the

course of political thought during the period of federalist supremacy under the new government. An attempt will be made to estimate such relatively permanent political principles as may be discovered with respect to the applicability to present problems.

In 1914-15 the distribution of legislative power between the Central Government and the States will be investigated as a basis for a comparison of federal and centralized government. The American federal system will be compared with the centralized government of Great Britain and the federal systems of Australia, Canada and British South Africa.

The following graduate seminary will be offered in each year by an instructor whose appointment will be announced later:

Economic Seminary.

Two hours a week throughout the year.

In 1914-15 the subject of the seminary will be American industrial problems. The economic aspect of organised capital and organised labour and the principles of labour legislation will be studied.

In 1915-16 the subject of the seminary will be the industrial history of the United States from 1790 to 1860.

Dr. M. P. Smith and Mr. Hudson conduct in each year the economic journal club.

Economic Journal Club.

Two hours once a fortnight throughout the year.

At the meetings recent books and articles are reviewed and the results of special investigations presented for discussion, comment, and criticism.

POST-MAJOR COURSES.

Dr. M. P. Smith offers in 1912-13 the following post-major course, open to graduate students:

Sociology and the Social Institutions.

Two hours a week throughout the year.

This course is designed to introduce the students to the problems of modern sociology. The lectures are supplemented by written reports and specially assigned reading, and by written and oral quizzes.

Dr. M. P. Smith offers in 1913-14 and again in 1915-16 the following post-major course, open to graduate students:

Economic and Social Legislation in England and America since 1890.

Two hours a week throughout the year.

The object of this course will be to review recent legislation in England and America affecting hours of labour and wages, working men's insurance and employer's liability, combinations of capital, public sanitation, housing, hygiene, and other economic and social problems. In the first semester English, and in the second semester, American, legislation will be studied. Each student will be assigned special topics for research to familiarise her with methods of handling original sources.

Dr. M. P. Smith offers in 1914-15 and again in 1916-17 the following post-major course, open to graduate students:

Methods of Social Research.

Two hours a week throughout the year.

The work of the first semester is an account of modern institutions for social research and social reform. In the second semester American social problems are studied, using as a basis of investigation the United States Census. Special attention is paid to statistical methods and students will be assigned reports for each semester. This course was given as a free elective course in 1912-13.

Mr. Hudson offers in 1912-13 and again in 1914-15 the following post-major course, open to graduate students:

Modern Democracy.

Three hours a week throughout the year.

The course includes an examination of the nature of democracy, types of democratic institutions, the development of the modern democratic movement, and the opinions of publicists and statesmen with regard to democracy. More attention, however, is devoted to specific problems of democratic organisation and practice, especially those of contemporary American interest. The method used is that of reports and critical discussion. The particular problems treated vary from year to year.

Mr. Hudson offers in 1913-14 and again in 1915-16 the following post-major course, open to graduate students:

American Constitutional Law.

Three hours a week throughout the year.

In this course the leading principles of the American constitutional system will be examined. The course will deal principally with the federal constitution and the decisions of the Supreme Court of the United States. Some attention will be given, however, to state constitutions and the decisions of state courts. Stress will be laid upon decisions relating to social and economic questions.

Mr. Dewey offers in 1913-14 the following post-major course, open to graduate students:

Elements of Statistics.

Two hours a week throughout the year.

Proper methods of obtaining and handling practical statistics, such as vital, health, trade statistics, working men's budgets, etc., are developed. The course involves a large amount of arithmetic and some algebra. Two hours of laboratory or practical work is required in connection with the course.

Philosophy.

The instruction in this department is under the direction of Dr. Theodore de Leo de Laguna, Professor of Philosophy, Dr. James H. Leuba, Professor of Psychology, Dr. Clarence Errol Ferree, Associate Professor of Psychology and Director of the Psychological Laboratory, Dr. Grace Mead Andrus de Laguna, Associate in Philosophy, Miss Marion Reilly, Dean of the College and Reader in Philosophy and Dr. Gertrude Rand, Reader (elect) in Educational Psychology and Demonstrator in Experimental Psychology.

GRADUATE COURSES.

In addition to the post-major courses, which may be elected by graduate students, ten hours of graduate lectures and seminary work are offered in each year. The laboratory of experimental psychology is open to graduate students for research work.

No undergraduates are admitted to graduate courses.

Dr. T. de Laguna conducts in each year the following graduate seminary:

Ethical Seminary.

Three hours a week throughout the year.

The subject of the seminary is either a study of one of the chief problems of ethics or a critical examination of some important movement of thought.

In 1912-13 Hume and his contemporaries are studied. A brief preliminary survey is made of the course of English ethical thought from Hobbes to Shaftesbury. This is followed by a more careful examination of selected writings of Mandeville, Butler, and Hutcheson, with a view to tracing their probable influence upon Hume. Finally, the principal task of the year is a comparative study of the ethical doctrines of Hume's *Treatise on Human Nature* and *Enquiry into the Principles of Morals*, with incidental reference to Hartley and Adam Smith.

In 1913-14 the subject will be English evolutionary ethics, as exemplified in the writings of Darwin, Clifford, Spencer, Stephen, Alexander, and Hobhouse, and as criticised by Green, Sorley, Huxley, and Pringle-Pattison. Special attention will be given to the problem of determining the nature and limitations of the genetic method as applied in ethical research.

In 1914-15 the subject will be recent French ethics, Durkheim, Levy-Brühl, Fouillée, Raub, Belot, and Paulhan.

Dr. G. A. de Laguna conducts in each year the following graduate seminary:

Metaphysical Seminary.

Two hours a week throughout the year.

The subject of the seminary is usually an examination of one of the more important metaphysical theories of recent times. The chief object of the inquiry is to indicate the fundamental postulates and tacit agreements of contemporary philosophical thought.

In 1912-13 the subject is English empiricism. Special attention is paid to its connections with associationism, and to the development of the theory of scientific method.

In 1913-14 the subject will be inductive and genetic logic. The theories of Sigwart, Wundt, Bradley, Bosanquet, Dewey and Baldwin will be the basis of study.

In 1914-15 the subject of the seminary will be contemporary realism, special attention being given to the various phases of the moment in England and in this country. Its historical sources, and its relations to subjective idealism as well as to absolute idealism and pragmatism, will be carefully studied.

Dr. T. de Laguna, Dr. G. A. de Laguna and Mr. Donald Fisher conduct in each year the philosophical journal club.

Philosophical Journal Club.

Two hours once a fortnight throughout the year.

The advanced students and the instructors meet to report on and discuss recent reviews and critical articles.

Dr. Leuba offers in each year the following graduate seminary:

Psychological Seminary.

Two hours a week throughout the year.

As the foundation of the work of the seminary one or two of the following subjects will be chosen each year: feeling and emotion; attention, apperception, the will; the psychology of religion and of ethics; language, myths, customs; psychology of the beautiful; psychiatry and criminology; animal and child psychology. In 1912-13 the subject of the seminary was educational psychology: a study of the results of psychological work in the field of education.

Dr. Ferree offers in each year the following graduate course:

Systematic Psychology.

Three hours a week throughout the year.

This course is intended, primarily, to give a systematic presentation of the literature of experimental psychology. Due consideration, however, will be given to all points of systematic importance. The work is grouped about the following topics: sensation, the simpler sense complexes, perception and ideas, feeling and the affective processes, attention, action, and the intellectual processes (memory, association, imagination, etc.). The course covers three years; but the topics chosen and the time devoted to each vary from year to year according to the needs of the students.

Dr. Leuba and Dr. Ferree together conduct in each year the psychological journal club. The laboratory work may be done under the direction of Dr. Ferree or Dr. Leuba.

Psychological Journal Club.

One hour a week throughout the year.

The advanced students meet with the instructors once a week to hear or read reports on the literature of the subject and on the work done in the laboratory.

Psychological Laboratory Work.

The laboratory work consists of individual practice and research.

FREE ELECTIVE COURSES.

Dr. T. de Laguna offers in 1912-13 the following free elective course, open to graduate students:

Theory of Pragmatism.

One hour a week throughout the year.

A brief introduction gives a sketch of the Darwinian theory of evolution and of its application to functional psychology. The greater part of the second semester is devoted to class discussion of Professor James's book on *Pragmatism*.

Mr. Fisher offers in 1913-14 the following free elective course, open to graduate students.

Elementary Logic.

One hour a week throughout the year.

This course is an introduction to deductive and inductive logic, including the theories of definition, classification, the transformation of judgments, the canons of the syllogism, the formation of concepts, the general methods of observation and experiment, analogy, and the use of hypotheses.

Dr. Ferree offers in each year the following free elective course, open to graduate students:

Advanced Experimental Psychology.

Two hours a week throughout the year.

This course is intended for students who wish to be trained in research work. It is primarily for fourth year students in psychology, but in very special cases by permission of the instructor it may be taken by a student who has taken the minor course in Experimental Psychology and is taking the major course in Experimental Psychology. If taken with the major course the work may be continued through two years. The instructor will co-operate with the students in the solution of some original problems. A reading knowledge of French and German is required.

POST-MAJOR COURSE.

Mr. Fisher offers in 1914-15 the following post-major course, open to graduate students.

Studies in the History of Philosophy. *Two hours a week throughout the year.*

The topics chosen for study will vary from year to year. In 1914-15 the subject will be the English neo-Hegelian movement.

Education.

This school is organized in part from the Phebe Anna Thorne Endowment and is connected with the Phebe Anna Thorne Model School.

The instruction in Education is under the direction of Dr. Kate Gordon, Associate Professor of Education, Dr. Matilde Castro, Director of the Phebe Anna Thorne Model School, Professor James H. Leuba, Professor of Psychology, Dr. Clarence Errol Ferree, Associate Professor of Experimental Psychology and Director of the Psychological Laboratory, and Dr. Gertrude Rand, Reader (elect) in Educational Psychology.

The work of the School of Education is intended for graduate students only. No undergraduate students will be permitted to take any graduate work in education although graduate students may if they so desire elect undergraduate courses in education and psychology and other subjects. The courses are planned for graduate students who wish to study education for one, two, and three years on the principle that about one-half of the student's time will be given to purely educational courses and the remaining half to courses in the subjects in which she is preparing herself to teach. In the second half of each year there will also be provided opportunities for practice in teaching. The degree of Master of Arts in Education is open to graduates of Bryn Mawr College only. Graduates of other colleges will receive diplomas certifying to the work that they have taken in the Graduate School of Education. The degree of Doctor of Philosophy in Education is open to graduates of all colleges of high standing under the general conditions prescribed for the degree of Doctor of Philosophy.

The Phebe Anna Thorne School.

The Phebe Anna Thorne School will open in the autumn of 1913 under the direction of the Bryn Mawr College Graduate School of Education. This school is maintained by an endowment of one hundred and fifty thousand dollars given by the executors of the estate of the late Phebe Anna Thorne to perpetuate her deep interest in school education and her desire to further research in the best methods of teaching school subjects. The Phebe Anna Thorne School is an integral part of the Graduate School of Education and affords its students an opportunity to follow the work of the expert teachers of the model school and discuss in seminars conducted by the professors of education the various problems of teaching and administration as they arise from day to day. The Phebe Anna Thorne School receives pupils at ten years of age and fits them to enter Bryn Mawr and other colleges on the completion of a seven years' high school course based on the soundest available theory and practice of teaching to be found in this country or abroad. Wherever a new method of teaching a high school subject is known to have succeeded it will be studied and introduced into the model school and the results on the pupils of different methods of teaching the same subjects will be tested and compared in the psychological laboratories of the college. It is believed that the opportunity thus afforded of studying the newest approved methods of secondary teaching will enable teachers who have studied in the Graduate School of Education to teach more efficiently and to command materially higher salaries.

FIRST YEAR.*(Given in 1913-14.)*

Dr. Ferree offers in 1913-14 the following graduate courses:

Systematic Psychology.*Three hours a week throughout the year.*

This course is intended for graduate students who have already taken a course in experimental psychology and gives a systematic presentation of the literature of experimental psychology. Due consideration, however, will be paid to all points of systematic importance. The work is grouped about the following topics: sensation, the simpler sense complexes, perception and ideas, feeling and the affective processes, attention, action, and the intellectual processes (memory, association, imagination, etc.). The course covers three years, but the topics chosen and the time devoted to each vary from year to year according to the needs of the students.

Experimental Psychology.*Three hours a week throughout the year.*

This is an undergraduate course forming part of the minor or second year's work in psychology and all graduate students of education are required to take this course or to have taken its equivalent. It should be substituted in the first year for the course in systematic psychology by students who have not had equivalent work. Two hours a week of laboratory work are required in connection with this course.

Dr. Gordon offers in 1913-14 the following graduate courses:

Psychology applied to Teaching.*Two hours a week throughout the year.*

In connection with this course students are required to take four hours a week of laboratory work.

History of Education.*Two hours a week during the first semester.***Methods of Teaching.***Two hours a week during the second semester.*

Dr. Gordon and Dr. Castro together conduct the seminary and journal club in education and the observation classes.

Seminary in Methods of Teaching.*Two hours a week throughout the year.***Journal Club in Education.***Two hours once a fortnight throughout the year.***Observation Classes.***Two hours a week throughout the year.*

Five hours a week counting as a two hour lecture course are spent in the observation of teaching in the Phebe Anna Thorne School and in other schools.

Mr. King offers in 1913-14 the following graduate course:

English Enunciation.*One hour once a fortnight throughout the year.*

There will be offered in each year:

Practicum in the subject in which the student wishes to teach conducted by the professors in the subject concerned.

*One hour a week throughout the year.***SECOND YEAR.***(Given in 1914-15.)*

Dr. Ferree offers in 1914-15 the following graduate course:

Systematic Psychology.*Three hours a week throughout the year.*

This course is given as in 1913-14 for graduate students who were not qualified to take it in the first year.

Dr. Gordon and Dr. Rand offer in 1914-15 the following graduate course:

Advanced Psychology applied to Teaching.*Two hours a week throughout the year.*

In this course training is given in the methods of testing children for fatigue, efficiency, etc. Four hours of laboratory work are required in connection with this course.

Dr. Gordon and Dr. Castro together conduct the seminary and journal club in education and the observation classes:

Seminary in Methods of School Administration.

Two hours a week throughout the year.

In this seminary at least two hours a week of actual practice in teaching is required.

Journal Club in Education.

Two hours once a fortnight throughout the year.

Observation Classes.

Two hours a week throughout the year.

Mr. King offers in 1914-15 the following graduate course:

Elocution.

Two hours once a fortnight throughout the year.

There will be offered in each year:

Practicum in the subject in which the student wishes to teach conducted by the professors in the subject concerned.

One hour a week throughout the year.

THIRD YEAR.

(Given in 1915-16.)

Dr. Gordon, Dr. Ferree and Dr. Rand together conduct in 1915-16 the following course:

Special Laboratory Problems in Educational Psychology.

Three hours a week throughout the year.

Dr. Gordon offers in 1915-16 the following graduate course:

Comparative Education.

Three hours a week throughout the year.

Dr. Leuba offers in 1915-16 the following graduate course:

Abnormal Psychology.

Two hours a week throughout the year.

Dr. Gordon and Dr. Castro together conduct the seminary and journal club in education and the observation classes.

Seminary in Education.

Two hours a week throughout the year.

Journal Club in Education.

Two hours once a fortnight throughout the year.

Observation Classes.

Two hours a week throughout the year.

Mr. King offers in 1915-16 the following graduate course:

Elocution.

Two hours once a fortnight throughout the year.

There will be offered in each year:

Practicum in the subject in which the student wishes to teach conducted by the professors in the subject concerned.

One hour a week throughout the year.

History of Art and Classical Archæology.

The instruction in this department is under the direction of Miss Dorothy Lamb, Lecturer in Classical Archæology, Miss Georgiana Goddard King, Lecturer in the History of Art and Comparative Literature, and Miss Mary Hamilton Swindler, Demonstrator and Reader (elect) in the History of Art and Classical Archæology, and an instructor whose appointment will be announced later.

An archæological seminary of two hours a week throughout the year is offered to graduate students who have done elementary archæological work, and also a journal club meeting one and a half hours a fortnight.

In addition to the graduate seminary announced, other courses will be provided as need for them arises, and individual students will be directed in special work by means of private conferences.

The undergraduate work is divided into courses of three hours a week, and two hours a week, and these change from year to year so affording a series of instruction in painting, architecture and sculpture.

GRADUATE COURSES.

A seminary in archæology and a journal club are offered to graduate students in addition to the elective courses which are open also to undergraduate students. A reading knowledge of French and German is indispensable for graduate work in art and archæology.

No undergraduates are admitted to graduate courses.

Miss Lamb conducts in 1912-13 the following graduate seminary which is offered in each year:

Archæological Seminary.

Two hours a week throughout the year.

This course is open only to graduate students who have had some previous training in classical archæology. The order of the subjects may be changed in accordance with the needs of the students.

In 1912-13 Minoan culture is the subject of the first semester's work. The art and industry of the period are studied in the light of excavations recently conducted upon various sites in Crete, the Cyclades, Troy and the mainland of Greece. In the second semester the topography, monuments and mythology of the Acropolis of Athens are studied.

In 1913-14 Roman architecture and topography will be the subjects of the seminary in the first semester and Greek vases of the fifth century will be studied in the second semester.

In 1914-15 Greek and Roman coins will be studied in the first semester and Greek and Roman sculpture will be the subject of the seminary in the second semester.

The journal club is conducted in each year by the instructors in the department:

Archæological Journal Club. *One and a half hours a fortnight throughout the year.*

The graduate students and the instructors meet for the presentation and discussion of topics of current archæological literature.

The following undergraduate courses may be attended by graduate students:

Miss King offers in 1912-13 and again in 1914-15 the following courses, open to graduate students:

Italian Painting of the Renaissance from the Middle of the Thirteenth to the Middle of the Sixteenth Century. *Three hours a week throughout the year.*

In the first semester the Italian Primitives are studied, chiefly in the schools of Florence, Siena, and Umbria; in the second semester the painters of the High Renaissance, with special attention to those of Venice and the north of Italy.

Renaissance Sculpture.

Two hours a week throughout the year.

The first semester is devoted to the sculpture of the Italian Renaissance, the second chiefly to Northern art, and in especial to figure sculpture in France from the building of the Cathedrals to the close of the Renaissance. The great sculptors of Germany and Spain will be studied carefully in conclusion.

Miss King offers in 1913-14 and again in 1915-16 the following courses, open to graduate students:

Painting in the Seventeenth and Eighteenth Centuries.

Three hours a week throughout the year.

In the first semester the Dutch and Flemish painters will be studied, in the second semester the French, Spanish, and English. The course will begin with a short consideration of the Primitives in France and the Low Countries and will end with the earlier English schools of landscape and portrait painting.

Gothic Architecture.

Two hours a week throughout the year.

The first semester is devoted to Romanesque and pointed architecture in Italy and Germany, with special attention to the introduction of Gothic into Italy by the Cistercians, and the second semester to the development of Gothic in France and Spain with parallels from English ecclesiastical architecture.

Miss Lamb offers in 1912-13 the following courses, open to graduate students:

Greek and Roman Architecture.

Three hours a week throughout the year.

The object of the course is to give the students a comprehensive knowledge of the art of building in Greece from the Neolithic to the Hellenistic age and in the case of Rome down to the early Christian era. Attention is paid to the results of the most recent excavations and the subject is studied in the light of literary authority and extant remains. An attempt is made to interest the students not only in the artistic aspects of the subject but in the simple mechanical problems and the manner in which they have been met. A brief study of Egyptian buildings is made at the beginning of the course.

Introduction to the study of Archæology. *One hour a week throughout the year.*

In the first semester the various stages of development in Greek and Roman art are studied. Numismatics forms the material of the work in the second semester.

In 1913-14 the following courses, open to graduate students, will be offered by an instructor whose appointment will be announced later:

Greek and Roman Sculpture.

Three hours a week throughout the year.

The course consists of a study of the development of Greek sculpture from its beginning to the end of the Hellenistic period. The last six weeks of the second semester are devoted to a survey of Roman sculpture.

Ancient Painting.

Two hours a week throughout the year.

This course is concerned chiefly with vases and with Pompeian wall-paintings. A good collection of original material for the illustration of Greek vases is in the possession of the department. The course is illustrated with lantern slides.

Mathematics.

The instruction in this department is under the direction of Dr. Charlotte Angas Scott, Professor of Mathematics, and Dr. James Ryals Conner, Associate in Mathematics.

GRADUATE COURSES.

The graduate courses consist of lectures and seminary work supplemented by private reading under the direction of the instructors, the courses being arranged each year with reference to the wishes and degree of preparation of the students concerned.

No undergraduates are admitted to graduate courses.

Dr. Scott offers in 1912-13 the following graduate course:

Special Algebraic Curves.

Two hours a week throughout the year.

The first part of the course is devoted to a discussion of properties of cubic and quartic plane curves. Later in the year other classes of curves are taken into account and important individual curves treated in detail.

Dr. Scott offers in 1913-14 the following graduate course:

Theory of Surfaces.

Two hours a week throughout the year.

In this course a general knowledge of plane algebraic curves and the elements of solid analytical geometry is presupposed. During the first semester the simpler properties of non-singular surfaces and projective properties of curves and developables are taken up; the classification of curves, the properties of ruled surfaces, and singularities of surfaces in general are treated in the second semester.

Dr. Scott offers in 1914-15 the following graduate course:

The Topology of Algebraic Curves.

Two hours a week throughout the year.

This course deals with the visible properties of plane algebraic curves, the number, nature and relation of the real components of singularities; the number, nature and arrangement of the distinct circuits; and also, though in less detail, with similar investigations relating to curves in space.

Dr. Conner offers in 1912-13 the following graduate course:

Theory of Numbers.

Two hours a week throughout the year.

This course is devoted to the theory of integers in the rational and in algebraic realms. Such allied subjects as the theory of the division of the circle and linear groups are given in as much detail as time allows.

Dr. Conner offers in 1913-14 the following graduate course:

Theory of Groups.

Two hours a week throughout the year.

The theory of abstract finite groups will first be developed. Permutation and substitution groups will be taken up and applications to the theory of equations and to geometry will be discussed.

Dr. Conner offers in 1914-15 the following graduate course:

Calculus of Variations.

Two hours a week throughout the year.

The foundations of the subject will be laid with careful attention to mathematical rigour. Numerous problems chosen from a wide range of subjects will be proposed and investigated.

Dr. Scott and Dr. Conner together conduct the journal club.

Mathematical Journal Club.

One hour a fortnight throughout the year.

The journal club holds fortnightly meetings at which reports on special topics or memoirs are presented by the instructors and the graduate students.

POST-MAJOR COURSES.

The post-major courses in mathematics are designed to bridge over the interval between the ordinary undergraduate studies and advanced work. They deal, therefore, with the subjects of the major course, carried to higher developments and treated by higher methods. As the order of mathematical studies differs in different colleges, graduate students frequently find it advisable to devote a part of their time to these courses. Regular written work is expected from all mathematical students, and a reading knowledge of French and German is presupposed.

The post-major courses in any one year amount to four hours a week. The courses given are the following with occasional modifications:

I. (a.) Lectures Introductory to Modern Analytical Geometry, in connection with Salmon's *Conic Sections* and Scott's *Modern Analytical Geometry*.

or, I. (b.) Lectures on Modern Pure Geometry.

or, I. (c.) Lectures on Special Topics in Geometry, such as Homogeneous Coordinates, Circular Coordinates, Families of Curves, Certain Transcendental Curves, Geometrical Transformations, etc.

Special permission to take this course before completing the two years of the major course may be granted to students whose work in the major course has shown that they are able to profit by the lectures.

II. (a.) Lectures Introductory to Modern Algebra, in connection with Salmon's *Modern Higher Algebra*, and Elliott's *Algebra of Quantics*.

or, II. (b.) Lectures Preparatory to the Theory of Functions, in connection with Harkness and Morley's *Introduction to the Theory of Analytic Functions* and Chrystal's *Algebra*, Vol. II.

or, II. (c.) Lectures on Differential Equations, ordinary and partial.

or, II. (d.) A general course in Analysis, dealing with the higher development of subjects only touched upon in the major course, such as Determinants, Fourier's Series, Infinite Series, Definite Integrals, etc.

In 1912-13 the following post-major courses are offered:

I. (b.) Dr. Scott. *Two hours a week throughout the year.*

II. (c.) Dr. Conner. *Two hours a week throughout the year.*

In 1913-14 the following post-major courses are offered:

I. (a.) Dr. Scott. *Two hours a week throughout the year.*

II. (b.) Dr. Conner. *Two hours a week throughout the year.*

In 1914-15 the following post-major courses are offered:

I. (b.) Dr. Scott. *Two hours a week throughout the year.*

II. (d.) Dr. Conner. *Two hours a week throughout the year.*

FREE ELECTIVE COURSES.

Dr. Scott offers in 1913-14 and again in 1915-16 the following free elective course, open to graduate students:

Graphic Mathematics. *One hour a week throughout the year.*

The course deals with statistical work, probability, and theory of errors. It is recommended to students of economics as well as to students of physics. No knowledge of mathematics beyond the requirement for matriculation is presupposed.

Dr. Scott offers in 1914-15 the following free elective course, open to graduate students:

Fundamental Theorems of Algebra and Geometry. *One hour a week throughout the year.*

This course is offered in alternate years. Certain standard problems of historical interest are considered in order to elucidate some of the fundamental principles of mathematics. Either semester may be taken separately. No knowledge of mathematics beyond the requirement for matriculation is presupposed. It is hoped that the work will prove useful to those intending to teach elementary mathematics.

Dr. Conner offers in 1913-14 the following free elective course open to graduate students:

Descriptive Astronomy. *Two hours a week throughout the year.*

The subject will be treated from an elementary point of view. Such advanced mathematics as seems desirable will be developed in the lectures.

The following free elective course, open to graduate students, will be offered when the time of the department permits:

Mathematics Preparatory to Science. *Two hours a week throughout the year.*

This course deals chiefly with parts of the differential and integral calculus, trigonometry, analytical geometry, and differential equations. Some problems in probability are also considered.

SCIENCE.

Physics, Chemistry, Geology, Biology.

Professors and instructors: Dr. Florence Bascom, Dr. William B. Huff, Dr. David Hilt Tennent, Dr. James Barnes, Dr. Frederick Hutton Getman,* Dr. Thomas Clachar Brown, Dr. Roger Frederick Brunel, Dr. Don Rosco Joseph, Dr. Harriet Randolph, Miss Mabel Frehafer, and Dr. Annie Louise Macleod.

In January, 1893, the Trustees opened Dalton Hall, a large building, containing ample laboratories, lecture-rooms, research-rooms, special libraries, and professors' rooms for the work of the scientific departments. The chemical, geological, biological, and physical laboratories and the laboratory for experimental psychology are open for students from nine to six daily.

The chemical department includes a lecture-room, a large laboratory for the first-year students, and several smaller ones for advanced and special work, a special room for physical chemistry, preparation and balance rooms, and a chemical library. The supply of apparatus and chemicals has been carefully selected for the purpose of instruction and research, and is increasing from year to year. The chemical library contains, besides necessary treatises and reference books, complete sets of the most important chemical journals.

The geological department is equipped with large collections of minerals, rocks, and fossils, a carefully selected library, and laboratories furnished with maps, models, charts, lantern slides, petrologic microscopes, goniometers, and other apparatus necessary for work in undergraduate and graduate courses.

The biological laboratories are equipped with the best (Zeiss) microscopes, microtomes, etc., and are supplied with apparatus for the study of experimental physiology.

The physical laboratories are carefully furnished with the apparatus necessary for thorough work.

Graduate work in the natural sciences is highly special, and consists of laboratory work, private reading, and special investigations pursued by the student under the guidance of the instructors.

* Granted leave of absence for the year 1912-13.

Physics.

The instruction in this department is under the direction of Dr. William B. Huff, Professor of Physics, Dr. James Barnes, Associate Professor of Physics, and Miss Mabel Frehafer, Demonstrator in Physics.

GRADUATE COURSES.

The graduate courses consist of lectures, laboratory work, and original research under the direction of the instructors, the lecture courses varying from year to year so that they may be pursued by students through consecutive years. A good working library containing the current and bound numbers of all the important physical journals is kept in the laboratory.

No undergraduates are admitted to graduate courses.

Dr. Huff offers in 1912-13 the following graduate course:

Mathematical Theory of Electricity and Magnetism.

Three hours a week throughout the year.

The lectures are based on Maxwell's standard work, and include a general account of the later development of the theory. This course was given as a post-major course in 1912-13.

Dr. Huff offers in 1914-15 the following graduate courses:

Radioactivity and Discharge of Electricity through Gases.

Three hours a week during the first semester.

The earlier lectures treat of the effect of fields on the path of a moving charged particle. A discussion of typical experimental methods of measuring velocity and the ratio of charge to the mass follows. After a study of the phenomena of electrical discharge and of radioactivity a brief account of theories is given.

Electron Theory.

Three hours a week during the second semester.

The mathematical development of the subject is presented in the lectures, with special reference to experimental tests of theory.

Dr. Barnes offers in 1913-14 the following graduate course:

Thermo-dynamics and Radiation.

Three hours a week throughout the year.

The modern developments of thermo-dynamics and radiation are considered. Attention is paid to the application of the laws of thermo-dynamics in physical chemistry.

Dr. Barnes offers in 1915-16 the following graduate course:

Physical Optics.

Three hours a week throughout the year.

This course gives a general mathematical discussion of physical optics. Students are expected to give detailed reports on the methods and results of investigations which illustrate the theory. When it seems desirable two and a half hours of experimental work will be substituted for one hour of the lecture course.

In each year Dr. Huff and Dr. Barnes together conduct the seminary, the journal club, and the laboratory work.

Physical Seminary and Journal Club.*One hour a week throughout the year.*

The advanced students meet with the instructors once a week to hear or read papers on assigned topics in physics.

Laboratory work.

The laboratory work is arranged for the purpose of familiarising the student with the methods of research; the student begins by repeating methods and investigations of well-known experimenters, with any modifications that may be suggested, passing on to points of investigation left untouched by previous experimenters, and finally to the study of new methods and the prosecution of original research. Students taking physics as their chief subject for the degree of Doctor of Philosophy are expected to spend all the time possible in the laboratory. In the basement there is a constant-temperature vault designed for accurate comparison of lengths, etc., and the laboratory is provided with special rooms for magnetic, optical, and electrical work. A well-equipped shop and trained mechanics make it possible to have special forms of apparatus constructed which are needed in research work.

FREE ELECTIVE COURSES.

Dr. Huff offers in 1912-13 the following free elective course, open to graduate students:

Physical Basis of Music.*One hour a week throughout the year.*

In the lectures of this course it is planned to present some of the physical principles illustrated in the construction of musical instruments and underlying the general theory of music. Private reading will be assigned.

Dr. Huff offers in 1913-14 the following free elective course, open to graduate students:

Historical Development of Physics.*One hour a week throughout the year.*

The work of this course consists of lectures, required reading and class-room discussions. The lectures give an elementary presentation of some of the more important ideas and results of physics. The reading is intended to supplement the lectures and to provide additional material for general discussion. The course is open to students who have had a minor course in science or its equivalent.

Dr. Barnes offers in 1913-14 the following free elective course, open to graduate students:

Astrophysics.*Two hours a week throughout the year.*

This course consists of lectures on the application of physical principles and methods to the study of the composition, structure, and motions of the heavenly bodies. Clarke's *Problems in Astrophysics*, Darwin's *The Tides*, and selected chapters in Moulton's *Celestial Mechanics* will be read and discussed. The course is open to students who have taken the minor course in physics or the minor course in mathematics or courses equivalent to these.

POST-MAJOR COURSES.

Dr. Huff offers in 1913-14 the following post-major courses, open to graduate students:

Properties of Matter.*Three hours a week during the first semester.*

The lectures cover the general subject of the properties of matter studied from the point of view of the Molecular Theory. The different theories of matter are discussed and an account of recent investigations concerning the relations of matter and electricity is given. Poynting and Thomson's *Properties of Matter* is read in connection with the course.

Theory of Sound.*Three hours a week during the second semester.*

The lectures form an introduction to the theory of modes of vibration of pipes, strings, and rods. The theory of music and of musical instruments is then studied. Poynting and Thomson's *Sound* is used during the earlier part of the course, and frequent references are made to Helmholtz and Rayleigh.

Dr. Huff offers in 1915-16 the following post-major course, open to graduate students:

Electricity and Magnetism.*Three hours a week throughout the year.*

The lectures of this course treat typical mathematical and experimental problems chosen from the various parts of the entire subject. A large number of problems on potential and attraction are assigned.

Dr. Barnes offers in 1912-13 the following post-major course, open to graduate students:

General Optics.*Three hours a week throughout the year.*

These lectures give a general discussion of the theories advanced to explain many phenomena in light. Students are required to have a good knowledge of elementary optics and to be sufficiently familiar with optical apparatus to undertake a detailed study of some special problem.

Dr. Barnes offers in 1914-15 the following post-major course, open to graduate students:

Spectroscopy.*Three hours a week throughout the year.*

The course begins with a complete discussion of the apparatus used in this subject; the results of past and present investigations are then considered, and problems for investigation are pointed out. The many important applications of spectroscopy to astronomy are not neglected. The standard book of reference is Kayser's *Handbuch der Spectroscopie*. Detailed reports of laboratory investigations are required.

Chemistry.

The instruction in this department is under the direction of Dr. Roger Frederic Brunel, Associate in Chemistry, Dr. Frederick Hutton Getman,* Associate in Chemistry, and Dr. Annie Louise Macleod, Reader and Demonstrator in Chemistry.

GRADUATE COURSES.

The advanced courses in chemistry consist of lectures upon inorganic, organic, and physical chemistry, seminary work, reports upon current chemical literature, and laboratory exercises. In the laboratory work the students are required to become familiar with the literature bearing upon the subjects they are studying, and it is therefore necessary for them to have a reading knowledge of French and German.

The lecture courses are varied from year to year to meet the requirements of students and to form a consecutive course for those who wish to make chemistry the chief subject in the examination for the degree of

* Granted leave of absence for the year 1912-13.

Doctor of Philosophy. Such students may specialise either in organic chemistry, under the direction of Dr. Brunel or in physical chemistry, under the direction of Dr. Getman, but students who make organic chemistry the major subject of examination must take physical chemistry as one of their minor subjects, and students who make physical chemistry the major subject, must take organic chemistry as one of the minor subjects.

No undergraduates are admitted to graduate courses.

Dr. Brunel conducts in each year the following graduate seminary:

Chemical Seminary, Organic Chemistry. *One hour a week throughout the year.*

The students who specialise in organic chemistry present formal reports upon assigned topics.

Dr. Getman conducts in each year the following graduate seminary:

Chemical Seminary, Inorganic Chemistry.

One hour a week throughout the year.

The course consists of required reading, and reports on selected topics. The needs of the individual students are considered in selecting the subjects for discussion.

Dr. Brunel offers in each year the following graduate course:

Advanced Organic Chemistry.

Two hours a week throughout the year.

Dr. Getman offers in each year the following graduate course:

Physical Chemistry.

Two hours a week throughout the year.

The lectures give a general survey of the subject, including the laws of gases, the elements of thermodynamics, the theory of solutions, chemical kinetics, equilibria, thermo-chemistry, and electro-chemistry.

The laboratory work in connection with the course includes the determination of specific gravities of solids and liquids, the molecular weights of vapors and dissolved substances; the study of reaction velocities, calorimetry, and electro-chemical measurements.

Dr. Brunel and Dr. Getman together conduct the journal club.

Chemical Journal Club.

One hour a week throughout the year.

The advanced students, with the instructors, meet to hear reports and discussions on recent scientific articles.

POST-MAJOR COURSES.

Dr. Brunel offers in each year the following post-major course, open to graduate students:

Organic Chemistry, selected topics.

One hour a week throughout the year.

The aim of this course is to lay the foundation for independent work in organic chemistry. The lectures begin with a study of current problems as illustrated by some particular class of organic compounds. This is followed by a discussion of the laboratory methods available for the solution of such problems.

The laboratory work is varied to meet the wants of the individual students. In general the student begins with the preparation of some of the more important substances that are discussed in the lectures. This is followed by organic analyses, molecular weight determinations, and the transformations necessary to establish the structural formulas of the substances prepared.

Dr. Getman offers in each year the following post-major course, open to graduate students:

Theoretical Chemistry.

Two hours a week throughout the year.

The aim of the lectures is to extend the student's knowledge of theoretical and physical chemistry and to lay a foundation for independent work in this subject. The lectures are intended to give a general outline of the subject, the following topics being discussed: fundamental theories of chemistry; the periodic classification; the corpuscular theory of matter; the laws of gases, liquids and solids; osmotic pressure and dilute solutions; colloidal solutions; thermochemistry; homogeneous and heterogeneous equilibria; chemical kinetics; electrochemistry; actinochemistry, and radiochemistry. The solution of a large number of problems will be required.

The laboratory work includes advanced quantitative analysis and physico-chemical measurements, the exercises being adapted to the requirements of the individual student.

Geology.

The instruction in this department is under the direction of Dr. Florence Bascom, Professor of Geology, and Dr. Thomas Clachar Brown, Associate in Geology.

The instruction offered in geology includes, in addition to the minor and major courses, three free elective courses of one and two hours a week respectively, six post-major courses of three hours a week open only to graduates and to undergraduates that have completed the major course in geology, and four graduate courses of five and three hours a week respectively.

Post-major courses in petrology and paleontology are offered in each year, and are designed to train the student in petrographic methods for the exact determination of rock species and rock families and in the principles of invertebrate and vertebrate paleontology. They are an essential preliminary to research work in the science.

Excellent illustrative material for the graduate and undergraduate courses is furnished by the geological and paleontological collections of the college, including the Theodore D. Rand rock and mineral collection, which alone contains over 20,000 specimens, by the private collections of the instructors,

and by material lent by the United States Geological Survey; the department is also fortunate in its proximity to the museum of the Academy of Natural Sciences of Philadelphia; within easy reach of the college there are excellent collecting fields for fossil, mineral, and rock specimens.

GRADUATE COURSES.

The graduate courses in petrology and mineralogy should be preceded by the major and post-major courses or their equivalents and are intended primarily for graduate students wishing to make geology a major subject for the degree of Doctor of Philosophy. The graduate course in mineralogy is also intended to meet the needs of graduate students in chemistry who wish to make mineralogy a minor subject for the degree of Doctor of Philosophy. The graduate courses in stratigraphic geology and paleontology and paleogeography are designed primarily for graduate students wishing to make geology a major subject for the degree of Doctor of Philosophy; they may also be taken by graduate students in biology who wish to make paleontology a minor subject for the degree of Doctor of Philosophy. Further graduate courses in petrology and paleontology will be arranged to suit the requirements of candidates for the degree of Doctor of Philosophy and research problems will be assigned.

Students may specialize either in petrology and mineralogy, under the direction of Dr. Bascom, or in stratigraphic geology and paleontology, under the direction of Dr. Brown, but students who make petrology and mineralogy the major subject of examination must take stratigraphic geology and paleontology as one of the minor subjects and students who make stratigraphic geology and paleontology the major subject, must take petrology as one of the minor subjects.

No undergraduates are admitted to the graduate courses.

Dr. Bascom conducts in each year the following graduate seminary:

Petrology.

One hour a week throughout the year.

This seminary will be conducted by means of informal discussions, required reading, and formal reports. The selection of subjects for discussion will be dependent upon the needs of the individual students.

Dr. Brown conducts in each year the following graduate seminary:

Stratigraphic Geology and Paleontology. *One hour a week throughout the year.*

The students who specialize in stratigraphic geology and paleontology present formal reports upon assigned topics.

Dr. Bascom offers in each year the following graduate courses:

Petrology.

Five hours a week throughout the year.

The lectures deal with the problems of metamorphism of both aqueous and igneous rocks. The character of metamorphic processes and the conditions which control these processes, the megascopic and microscopic structures, and the criteria determining the origin, classification, geographic distribution, and geologic occurrence of metamorphic rocks are treated. Direction is given in research work, map making, and advanced field work. The amount of laboratory, field work, and private reading required makes the course the equivalent of five hours a week.

Mineralogy.

Three hours a week throughout the year.

Both the lectures and laboratory practice deal with crystal measurement by means of the two-circle goniometer, with crystal projection, and crystal drawing.

The works of Goldschmidt, Hintze, Groth, Tschermak, and Dana are used as reference books.

Dr. Brown offers in each year the following graduate courses:
Stratigraphic Geology and Paleontology.

Three hours a week throughout the year.

The lectures deal with the principles of sedimentation; the petrologic character, distribution, faunal contents and geologic succession of the formations of North America. The limits of the various faunal provinces will be established so far as possible and the sediments deposited in the various epicontinental seas correlated. The diastrophic movements which threw the formations into folds producing mountain ranges and basins will receive special attention.

Paleogeography.

Three hours a week during the first semester.

The lectures deal with all phenomena that throw light upon the extent, the relief, the climate and the life of the lands and seas of geologic time. Special attention will be given to the positive and negative movements of the strand line, the development of epicontinental seas, the distribution of atmospheric and oceanic currents, climatic changes, food supply, faunal provinces, and the effect of seas and barriers upon the distribution and migration of plants and animals. In the laboratory a number of the exercises will deal with the making of paleogeographic maps and models.

Dr. Bascom and Dr. Brown together conduct the journal club.

Geological Journal Club.

One hour a week throughout the year.

The graduate students and the instructors meet for the presentation and discussion of recent geological literature.

POST-MAJOR COURSES.

Dr. Bascom offers in each year the following post-major course, open to graduate students:

Petrography.

Three hours a week throughout the year.

During the first semester the lectures deal with the principles of optical crystallography, the optical means of mineral determination, and the petrographic characters of rock-forming minerals. In the second semester the structure, composition, characters, origin, geographical distribution, and geological associations of the igneous rocks are treated. Practice is given in the quantitative chemical classification of igneous rocks for the purpose of determining their position in the new system. Petrographical investigation in the field and laboratory is included in the course. The works of Groth, Rosenbusch, Zirkel, and Michel Levy are used for reference. Special field problems are given to the students for independent solution.

Dr. Brown offers in each year the following post-major course, open to graduate students:

Invertebrate Paleontology.

Three hours a week during the first semester.

The course presupposes a knowledge of historical geology. A systematic study is made of the various classes of invertebrate animals which are found in a fossil state. Special attention is given to the relations of these classes to each other as bearing on their origin and on the theory of evolution. Those classes which are of practical value to the stratigraphic geologist in determining the geologic age of formations are dwelt upon at considerable length. Excursions are made to neighboring fossiliferous localities to collect fossils and to observe their occurrence in the rocks. The student has access, not only to the representative paleontological collection of Bryn Mawr College, but also to the large collections of the several academies and institutes in Philadelphia.

Dr. Brown offers in each year one of the following post-major courses, open to graduate students:

Vertebrate Paleontology.

Three hours a week during the second semester.

A systematic study is made of the vertebrate remains which have been found as fossils. Since the vertebrated organisms represent the highest phase of development to which the animal kingdom has attained, a study of their past history is of prime importance in elucidating some of the most fundamental principles in the evolution of life.

Fossil Faunas.

Three hours a week during the second semester

This course is designed to be taken by those students who have completed the course in Invertebrate Paleontology, and who wish to become familiar with the methods of applying a knowledge of invertebrate paleontology to the problems of geology. This course will treat in detail each of the successive faunas or assemblages of animal life which have developed since the opening of the Cambrian period. An attempt will be made to show that each fauna was a direct response to the environment which surrounded it, and the probable geologic, physiographic, and climatic factors of this environment will be discussed.

Dr. Brown offers in 1913-14 the following post-major courses, open to graduate students:

Economic Geology.

Three hours a week during the first semester.

The lectures deal with the properties, occurrence, distribution, production, value, etc., of the more important non-metallic minerals such as coal, petroleum, building stones, clay, lime, calcareous cements, salines, gypsum, fertilizers, abrasives, asbestos, graphite, precious stones, and underground waters. The metallic ores such as iron, copper, lead and zinc, silver-lead, gold and silver, and the minor metals will also be considered. The laboratory work consists of the study and determination of the economically important minerals.

The Nature of Ore Deposits.

Three hours a week during the second semester.

The theories as to the origin of ore bodies and the nature of their occurrence in the more important mines of the world will be considered. The laboratory work consists of the study and determination of the ores and ore forming minerals.

FREE ELECTIVE COURSES.

Dr. Bascom offers in each year, if the time of the department permits, the following free elective course, open to graduate students:

Cosmogony.

One hour a week throughout the year.

The work of the course will be conducted by means of lectures, required reading and classroom discussion. The lectures will treat of the origin of the earth, the growth of the continents and the development of landscape, and will be illustrated by lantern slides. The reading is intended to supplement the lectures and to furnish further material for discussion. The course is intended to give a survey of the more important results reached by geological research.

Dr. Brown offers in each year the following free elective courses, open to graduate students:

Evolution of the Vertebrates.

Two hours a week during the first semester.

This course consists of lectures illustrated by charts, diagrams, lantern slides and photographs. It gives a comprehensive outline of the evolution of the vertebrates from the earliest appearance of representatives of this group to the beginning of the Cenozoic era. The vertebrate phylum not only contains the highest types of animal life but is the only phylum which has gone through the whole of its evolution since the beginning of geological history as recorded in the fossil-bearing rocks. The course will consider first those primitive types which perhaps represent ancestral vertebrate forms and then will consider in the order of their appearance the five great classes of Fishes, Batrachians, Reptiles, Birds, and Mammals.

Evolution of the Mammals.

Two hours a week during the second semester.

This course is a continuation of the preceding. The rise and development of the mammals will be followed in considerable detail, and an attempt will be made to show the relation between the types which were developed and their environment including the geographic, physiographic, and climatic factors as well as the surrounding animal and plant life.

Biology.

The instruction in this department is under the direction of Dr. David Hilt Tennent, Professor of Biology, Dr. Don Rosco Joseph, Associate Professor of Physiology, and Dr. Harriet Randolph, Demonstrator in Biology and Reader in Botany.

GRADUATE COURSES.

The advanced courses are varied from year to year, so as to form a consecutive course for students that wish to make biology one of the chief subjects of the examination for the degree of Doctor of Philosophy. Such students may specialise either in animal morphology under the guidance of Dr. Tennent, or in animal physiology under the guidance of Dr. Joseph.

No undergraduates are admitted to graduate courses.

Dr. Tennent offers in 1912-13 the following graduate course:

Embryology of Invertebrates.

One hour a week throughout the year

The embryology of invertebrates with special reference to germinal organisation, cleavage and differentiation, and to the problems of inheritance and development is studied. This course varies in accordance with the needs of the students in the department.

Dr. Tennent offers in 1913-14 the following graduate course:

Genetics.

One hour a week throughout the year.

This course includes a discussion of Mendel's principles of heredity, of biometrical methods and results, of selection, and of the application of these ideas in animal and plant breeding.

Dr. Tennent offers in 1914-15 the following graduate course:

Cytology.

One hour a week throughout the year.

The course deals with the anatomy of the cell, and the relations and functions of its various structures in unicellular and multicellular organisms. Special attention will be given to the phenomena of karyokinesis and sexual reproduction and the theories connected therewith.

Dr. Joseph offers in 1912-13 and again in 1914-15 the following graduate course:

Internal Secretions.

One hour a week throughout the year.

The course consists of the reading and discussion of original articles dealing with the subject.

Dr. Joseph offers in 1913-14 the following graduate course:

Selected problems dealing with the physiology of the gastro-intestinal tract.

One hour a week throughout the year.

Dr. Tennent and Dr. Joseph together conduct the journal club, the seminary, and the laboratory work.

Biological Journal Club.

One hour a fortnight throughout the year.

The advanced students and the instructors meet fortnightly for the discussion of topics of current biological literature.

Biological Seminary.

One hour a fortnight throughout the year.

The graduate students and the instructors meet fortnightly for the formal presentation of assigned topics.

Laboratory Work.

There is no regular course of laboratory instruction for graduates. Each student desiring to devote a considerable portion of her time to such work is given a problem for verification or extension. The nature of the work depends in each case on the qualifications of the student.

POST-MAJOR COURSES.

Dr. Tennent offers in 1912-13 and again in 1914-15 the following post-major course, open to graduate students:

Embryology of Vertebrates.

One hour a week throughout the year.

This course consists of lectures, assigned reading and laboratory work on the embryology of vertebrates. The lectures deal with the development of specific forms and with theoretical questions of embryological interest. The department has material for the study of the development of Amphioxus, Ascidian, Amia, Lepidosteus, Squalus, Ctenolabrus, Necturus, Rana, Chrysemys, Chick and Pig. At least five hours of laboratory work will be required.

The course is divided as follows: First semester—Embryology of Vertebrates (a). Early stages of development. Second semester—Embryology of Vertebrates (b). Organogeny.

Dr. Tennent offers in 1913-14 the following post-major courses, open to graduate students:

Protoplasm, the Cell, and Cytological Technique.

One hour a week during the first semester.

This course consists of a study of the structure of protoplasm, the structure of the cell, the phenomena of cell division, maturation and fertilisation. Both plant and animal cells will be studied, and instruction will be given in methods of preparing cytological material for microscopical examination. This course is to be taken as a two hour course with four hours laboratory.

Experimental Morphology.

One hour a week during the second semester.

The object of this course is to give a general historical view of experimental morphology of both plants and animals, to discuss some of the methods employed, to point out the results already obtained, and to indicate the nature of the work now being done in the subject. The topics discussed are: regeneration in Protozoa and Metazoa, behaviour of lower organisms, experiments on the fertilised and unfertilised egg, Mendel's experiments in hybridisation, and De Vries Oenothera mutants. This course is to be taken with four hours laboratory as a two hour course.

Dr. Joseph offers in 1912-13 and again in 1914-15 the following post-major course, open to graduate students:

The Nervous System.

One hour a week throughout the year.

In this course the physiology of the central and peripheral nervous systems is taken up in greater detail than is possible in the major course. The course consists of lectures, recitations, assigned reading, class reports and from one to two hours of laboratory work weekly.

In the laboratory, experiments are carried out which illustrate various physiological properties of the nervous system. In addition a brief study is made of sectioned brain material to acquaint the student with the general arrangement of the internal structure of the brain and the chief paths that may be taken by nerve impulses within the central nervous system.

Dr. Joseph offers in 1912-13 and again in 1913-14 the following post-major course, open to graduate students:

Physiological Chemistry.

Two hours a week throughout the year.

This course consists of lectures, recitations, assigned reading and laboratory work. Occasionally a member of the class is asked to report on an article from the literature of the subject. At least four hours a week of laboratory work are required. The laboratory work includes a study of the properties and reactions of proteins; fats and carbohydrates; of the digestive actions of the enzymes of the salivary, gastric, pancreatic and intestinal secretions and the bile; and of the milk and urine. A preliminary training in chemistry at least equivalent to that obtained in the minor course is required.

Dr. Joseph offers in 1913-14 the following post-major course, open to graduate students:

The Special Senses.

One hour a week throughout the year.

This course of lectures, recitations, assigned reading and laboratory work deals with the more important facts and theories regarding the action of the organs of special sense.

Dr. Tennent and Dr. Joseph conduct laboratory work in connection with the above courses:

Laboratory Work.

It is desirable that as much laboratory work as possible should be done in connection with the courses offered above. The object of the laboratory work is to give the student experience in the use of apparatus and in adapting it to research. Some special problem is assigned to each student; at the end of the year the results of the work are presented in writing.

FREE ELECTIVE COURSE.

Dr. Tennent offers in each year the following free elective course, open to graduate students:

Theoretical Biology.

One hour a week throughout the year.

This is a historical course dealing with the development of the theories of biology. Special attention is given to theories of evolution and heredity. The course is open to students who have had one year's training in science. A considerable amount of assigned reading is required.

COLLEGE BUILDINGS.

The college buildings are situated at Bryn Mawr, in the suburbs of Philadelphia, five miles west of the city, on the main line of the Pennsylvania Railroad. The site of the college is four hundred and twenty feet above sea level, in the midst of a beautiful rolling country made accessible by good roads in every direction. The college grounds cover fifty-two acres, and include lawns, tennis courts, and two large athletic fields, one of which is converted in winter into a skating-pond.

Taylor Hall (named after the founder), a large building of Port Deposit stone, contains a general assembly room, ten lecture-rooms, and the offices of administration.

The library, the gift of the friends, graduates, and students of the college, begun in April, 1903, was completed in February, 1907. It is built of gray stone in the Jacobean Gothic style of architecture of the period of 1630, and forms three sides of a closed quadrangle. The main building, devoted to the library proper, faces east and is opposite and parallel to Taylor Hall at a distance of about fifty yards; the principal entrances of the two buildings face each other and are connected by a broad cement path. The east front is one hundred and seventy-four feet long and contains a three story stack with accommodation for eighty-eight thousand volumes, and above this a large

reading-room with desks for one hundred and thirty-six readers, each desk screened to a height of two feet, as in the British Museum reading-room, to secure privacy to the reader. No books of reference are kept in the main reading-room. Beyond the reading-room on the south side are the newspaper and magazine rooms. On the north side are the Art and Archæological seminaries, containing collections of photographs, vases, and coins. The main building contains offices for the librarians and cataloguers, a professor's office, a new book room and four cloak rooms. The wings of the building, running symmetrically about two hundred feet in length from the north and south ends of the main building, contain twelve seminary rooms and twenty-five professors' offices. The books needed for graduate study and research are kept in the seminary rooms where the graduate lectures are held. The seminaries are arranged as follows: Greek, Latin, English, German, French, Italian and Spanish, Semitic Languages and Philosophy in the north wing; Mathematics, History, Economics and Psychology, in the south wing. The total book capacity of the library including the seminary libraries and the books for general study which are kept in the stack, is 168,449 volumes. The building is absolutely fire-proof. Professors' offices for the senior professors in each department adjoin the seminary rooms. There are also two seminary lecture-rooms accommodating about fifteen students, one general lecture-room accommodating forty-two students, four interview rooms, and a library for the use of the Christian Union.

On the first floor of the south wing the department of experimental psychology has two large laboratories, one for general work and one for research. The basement of the north wing contains rooms for the Monograph Committee of the Faculty, the Alumnae Association, and fire-proof safe rooms for the records and archives of the college. The quadrangular court enclosed by the building is surrounded by cloisters and in the centre of the grass enclosure is a fountain, the gift of the class of 1901.

The library is open for students on week-days from 8 a. m. till 10 p. m. and on Sundays from 2 p. m. till 10 p. m. It is open for the faculty at all hours.

In January, 1893, the scientific departments of the college were transferred to Dalton Hall, a stone building erected by the Trustees out of funds in large part contributed by the generosity of friends of the college. Dalton Hall is entirely occupied by the scientific departments, the special scientific libraries, and the consultation-rooms of the professors of science. The first floor and the basement are reserved for physics, the second floor is reserved for biology, the third floor for chemistry, and the fourth and fifth floors for geology. In December, 1893, a greenhouse designed for the use of the botanical department was added to Dalton Hall as the gift of the *alumnæ* and students.

Around Taylor Hall the Trustees have erected halls of residence for the accommodation of students. Plans, drawings, and descriptions of the six halls of residence, Merion Hall, Radnor Hall, Denbigh Hall, Pembroke Hall East, Pembroke Hall West, and Rockefeller Hall, the gift of Mr. John D. Rockefeller, and of the academic buildings, Taylor Hall, the Library, and Dalton Hall, are published in a separate pamphlet to be obtained from the Secretary of the College.

The new gymnasium, erected on the site of the first gymnasium and the gift of the Athletic Association, the *alumnæ* and thirteen neighbors of the college, was completed in February, 1909. It is open to the students from 8 a. m. till 10 p. m., daily, contains a large hall for gymnastic exercises, with a running or walking track for use in rainy weather; a room for the director, and an adjoining room for the examination and record of the physical development of the students, a waiting room, and cloak rooms. In the basement are bathrooms for use after exercise and a swimming-tank, sixty-nine feet long, twenty feet wide, and from four to seven and a half feet deep, given in 1894 by the *alumnæ*, students, and friends of the college, and well supplied with spring boards, life preservers, and other apparatus for the teaching of swimming. The gymnasium is under the charge of a director and two assistants.

On the grounds, separated from the other buildings, the Class of 1905 infirmary has been erected and will be opened in April, 1913, with accommodation for patients and nurses, and its own diet kitchens and bathrooms, wards and private rooms, sun parlour, sun terrace and two isolation wards.

A central power-house, which was erected in 1903 as part of the gift of Mr. John D. Rockefeller, furnishes heat, electric light, and hot water for all the college buildings. Steam is conducted through tunnels underground to coils in the basement of each building. Air brought in from the outside is blown through the heaters by powerful fans and distributed to the various rooms, and the piping system is so adjusted as to change the air completely in every room once in every ten minutes throughout the day and night. The temperature is regulated by thermostats in the heating coils as well as in the individual rooms. The electric lights, including electric reading-lamps for each student, are installed in the most approved manner and the voltage is kept constant so that there is no fluctuation. A constant and abundant supply of hot water is laid on and maintained at a temperature of 180 degrees, during all the twenty-four hours of the day, in all the bathrooms and stationary washstands and tea pantries.

The Bell Telephone Company, a branch of the American Telephone and Telegraph Company, maintains telephone pay stations in each of the halls of residence, in the library and in the gymnasium, by means of which the students may be communicated with at any time. Near the college are a Postal Telegraph-Cable Company office (service 6. A. M. to 12 P. M.), an Adams Express office, a United States money-order office and two banks. There are good roads in every direction. Horses for riding and driving may be kept at livery near the college, at a cost of twenty-five dollars a month.

LIST OF DISSERTATIONS

PUBLISHED BY STUDENTS WHO HAVE OBTAINED THE DEGREE OF
DOCTOR OF PHILOSOPHY FROM BRYN MAWR COLLEGE.

- BARTLETT, HELEN. The Metrical Division of the Paris Psalter. 49+[1] p., O. Baltimore, The Friedenwald Company. 1896.
- BORING, ALICE MIDDLETON. A Study of the Spermatogenesis of Twenty-two Species of the Membracidae, Jassidae, Cercopidae and Fulgoridae. p. 470-512, O. 9 pl. Baltimore, 1907.
Reprint from *Journal of Experimental Zoölogy*, vol. 4, No. 4.
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* Mrs. Francis Greenleaf Allinson.

† Mrs. S. Prioleau Ravenel.

- LORD, ELEANOR LOUISA.** The American Colonies as a Source of Naval Supplies for Great Britain. Published as Industrial experiments in the British colonies of North America. 10+154 p., O. *Johns Hopkins University Studies*, Extra volume, 17. Baltimore, 1898.
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- OGDEN, ELLEN SETON.** The origin of the Gunu-Signs in Babylonian. 144 p., O. Leipzig, printed by W. Drugulin. 1911.
- PARRIS, MARION.** Total Utility and the Economic Judgment Compared with their Ethical Counterparts. 103 p., O. Philadelphia, The John C. Winston Co. 1909.
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* Mrs. Emmons Bryant.

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* Mrs. Eric C. W. S. Lyders. † Died, 1905.

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* Mrs. Lewis Albert Anderson.

† Mrs. George Arthur Wilson.

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BRYN MAWR, PENNSYLVANIA.

Published by Bryn Mawr College,

March, 1914.

BRYN MAWR COLLEGE

CALENDAR

GRADUATE COURSES

1914

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BRYN MAWR COLLEGE CALENDAR
1914.

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- PART 2. Graduate Courses.
- PART 3. Undergraduate and Graduate Courses.
- PART 4. Academic Buildings and Halls of Residence,
Plans and Descriptions.

BRYN MAWR COLLEGE.

COLLEGE CALENDAR.

1914.

JANUARY.							JULY.						
Su.	M.	Tu.	W.	Th.	Fr.	Sa.	Su.	M.	Tu.	W.	Th.	Fr.	Sa.
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4	5	6	7	8	9	10	5	6	7	8	9	10	11
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1915.

JANUARY.							FEBRUARY.						
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MARCH.							APRIL.						
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MAY.							JUNE.						
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16	17	18	19	20	21	22	20	21	22	23	24	25	26
23	24	25	26	27	28	29	27	28	29	30
30	31

The academic year will close with the Conferring of Degrees at eleven o'clock, on June 3rd, 1915.

ACADEMIC YEAR, 1914-15.

September 22nd.	Matriculation examinations begin.
September 28th.	Registration of students. Halls of Residence open for students at three p. m.
September 29th.	Registration of students. Matriculation examinations end.
September 30th.	The work of the thirtieth academic year begins at a quarter to nine o'clock.
October 1st.	Examinations for advanced standing begin.
October 10th.	Senior oral examination in French.
October 17th.	Senior oral examination in German.
October 22nd.	Examinations for advanced standing end.
November 16th.	Collegiate and matriculation condition examinations begin.
November 24th.	Collegiate and matriculation condition examinations end.
November 25th.	Thanksgiving vacation begins at one o'clock.
November 30th.	Thanksgiving vacation ends at nine o'clock.
December 5th.	Senior oral examination in French.
December 12th.	Senior oral examination in German.
December 22nd.	Christmas vacation begins at one o'clock.
January 6th.	Christmas vacation ends at nine o'clock.
January 14th.	Matriculation examinations begin.
January 19th.	Matriculation examinations end.
January 20th.	Half-yearly collegiate examinations begin.
January 30th.	Collegiate examinations end. Annual meeting of the Alumnae Association.
February 1st.	Vacation.
February 2nd.	Vacation.
February 3rd.	The work of the second semester begins at a quarter to nine o'clock.
February 4th.	Examinations for advanced standing begin.
February 25th.	Examinations for advanced standing end.
March 13th.	Senior oral examinations in French and German.
March 17th.	Mid-semester examinations in matriculation Greek, German and French.
March 19th.	Announcement of European Fellowships.
March 22nd.	Collegiate and matriculation condition examinations begin.
March 30th.	Collegiate and matriculation condition examinations end.
March 31st.	Easter vacation begins at one o'clock.
April 8th.	Easter vacation ends at nine o'clock.
May 8th.	Senior oral examinations in French and German.
May 18th.	Vacation.
May 19th.	Collegiate examinations begin.

May 27th.	Matriculation examinations begin.
May 29th.	Collegiate examinations end.
June 2nd.	Matriculation examinations end.
June 3rd.	Conferring of degrees and close of thirtieth academic year.

ACADEMIC YEAR, 1915-16.

September 21st.	Matriculation examinations begin.
September 27th.	Registration of students. Halls of Residence open for students at three p. m.
September 28th.	Registration of students. Matriculation examinations end.
September 29th.	The work of the thirty-first academic year begins at a quarter to nine o'clock.

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OFFICERS OF ADMINISTRATION.

ACADEMIC YEAR, 1913-14.

President,

M. CAREY THOMAS, PH.D., LL.D.

Office: Taylor Hall.

Dean of the College,

MARION REILLY, A.B.

Office: Taylor Hall.

Recording Dean and Assistant to the President,

ISABEL MADDISON, B.SC., PH.D.

Office: Taylor Hall.

Secretary,

EDITH ORLADY, A.B. Office: Taylor Hall.

Recording Secretary,

ABIGAIL CAMP DIMON, A.M. Office: Taylor Hall.

Wardens of the Halls of Residence,

MARTHA GIBBONS THOMAS, A.B., Pembroke Hall.

SUSANNE CAREY ALLINSON, A.B., Radnor Hall.

ELEANOR BONTECOU, A.B., Denbigh Hall.

RUTH BABCOCK, A.B., Merion Hall.

HILDA WORTHINGTON SMITH, A.M., Rockefeller Hall.

FRANCES ALLEN FOSTER, A.B., Assistant Warden, Pembroke Hall.

Comptroller,

SANDY L. HURST. Office: Taylor Hall.

Business Manager,

MIRIAM MARGARET HEDGES, A.B. Office: Taylor Hall.

Junior Bursar,

MARGARET A. PROCTOR, B.A. Office: Rockefeller Hall.

Librarian,

LOIS ANTOINETTE REED, A.B., B.L.S. Office: The Library.

Director of Athletics and Gymnastics and Supervisor of Health.

CONSTANCE M. K. APPLEBEE. Office: The Gymnasium.

*Physician in Chief,*THOMAS F. BRANSON, M.D. Office hours, 8 to 9.30 and 2 to 3 daily,
Rosemont, Pa.*Assistant Physician,*FRANCES R. SPRAGUE, M.D. Pembroke Road, Bryn Mawr; Office hours,
The Infirmary, Bryn Mawr College, 4 to 6 daily except Sunday.*Examining Oculist,*HELEN MURPHY, M.D. Office hours, 2 to 4 daily, 1433 Spruce Street,
Philadelphia.

ACADEMIC APPOINTMENTS.

ACADEMIC YEAR, 1913-14.

M. CAREY THOMAS, PH.D., LL.D., *President of the College and Professor of English.*

A.B., Cornell University, 1877; studied at the Johns Hopkins University, 1877-78; University of Leipsic, 1879-82; Ph.D., University of Zürich, 1882; Sorbonne and Collège de France, 1883; Dean of the Faculty of Bryn Mawr College and Professor of English, 1885-94.

CHARLOTTE ANGAS SCOTT, D.Sc., *Alumna Professor of Mathematics.*

Lincoln, England. Graduate in Honours, Girton College, University of Cambridge, England, 1880; B.Sc., University of London, 1882; Lecturer on Mathematics in Girton College, 1880-84; lectured in connection with Newnham College, University of Cambridge, England, 1880-83; D.Sc., University of London, 1885.

GEORGE A. BARTON, PH.D., *Professor of Biblical Literature and Semitic Languages.*

A.B., Haverford College, 1882, and A.M., 1885; studied under the direction of the American Institute of Hebrew, 1885-86; Harvard University, 1888-91; Thayer Scholar, Harvard University, 1889-91; A.M., Harvard University, 1890; Ph.D., Harvard University, 1891; Director of the American School of Oriental Study and Research in Palestine, 1902-03.

FLORENCE BASCOM, PH.D., *Professor of Geology.*

A.B., University of Wisconsin, 1882, B.Sc., 1884, and A.M., 1887; Johns Hopkins University, 1891-93; Ph.D., Johns Hopkins University, 1893; Assistant in Geology and Instructor in Petrography, Ohio State University, 1893-95.

ISABEL MADDISON, B.Sc., PH.D., *Recording Dean and Assistant to the President.*

Reading, England. B.Sc., University of London, 1893; Ph.D., Bryn Mawr College, 1896, and B.A., Trinity College, Dublin, 1905; Girton College, University of Cambridge, England, 1889-92; Graduate in Honours, First Class, in the Cambridge Mathematical Tripos, 1892; Graduate in Honours, Final Mathematical Schools, University of Oxford, 1892; Graduate Student in Mathematics, Bryn Mawr College, 1892-93, and Fellow in Mathematics, 1893-94; Holder of the Mary E. Garrett European Fellowship and Student in Mathematics, University of Göttingen, 1894-95.

WILMER CAVE WRIGHT, PH.D., *Associate Professor of Greek.*

Shrewsbury, England. Girton College, University of Cambridge, England, 1888-92; Graduate in Honours, Cambridge Classical Tripos, 1892; Ph.D., University of Chicago, 1895; Fellow in Greek, Bryn Mawr College, 1892-93; Fellow in Latin, University of Chicago, 1893-94, and Fellow in Greek, 1894-95; Reader in Greek and Latin, University of Chicago, 1895-96.

JAMES H. LEUBA, PH.D., *Professor of Psychology and Education.*

Neuchâtel, Switzerland. B.S., University of Neuchâtel, 1886; Ph.B., Ursinus College, 1888; Scholar in Psychology, Clark University, 1892-93; Fellow in Psychology, Clark University, 1893-95; Ph.D., Clark University, 1896.

FONGER DEHAAN, PH.D., *Professor of Spanish.*

Leeuwarden, Holland. Ph.D., Johns Hopkins University, 1895; Instructor in Modern Languages, Lehigh University, 1885-91; Fellow in Romance Languages, Johns Hopkins University, 1893-94, Assistant in Romance Languages, 1893-95, Instructor in Romance Languages, 1895-96, and Associate in Romance Languages, 1896-97.

ARTHUR LESLIE WHEELER, PH.D., *Professor of Latin.*

A.B., Yale University, 1893; Scholar and Student in Classics, Yale College, 1893-96; Ph.D., Yale University, 1896; Instructor and Tutor in Latin, Yale College, 1894-1900.

HENRY NEVILL SANDERS, PH.D., *Professor of Greek.*

Edinburgh, Scotland. A.B., Trinity University, Toronto, 1894, and A.M., 1897; Ph.D., Johns Hopkins University, 1903; Fellow in Greek, Johns Hopkins University, 1897-98; Lecturer in Greek, McGill University, 1900-02.

WILLIAM BASHFORD HUFF, PH.D., *Professor of Physics.*

A.B., University of Wisconsin, 1889; A.M., University of Chicago, 1896; Ph.D., Johns Hopkins University, 1900; Lecture Assistant in Physics, Johns Hopkins University, 1899-1900, Assistant in Physics, 1900-01, and Instructor in Physics, 1901-02.

WILLIAM ROY SMITH, PH.D., *Associate Professor of History.*

A.B., University of Texas, 1897, and A.M., 1898; Ph.D., Columbia University, 1903; Acting Professor of History and Political Science, University of Colorado, 1900-01; Lecturer in History, Barnard College, 1901-02.

LUCY MARTIN DONNELLY, A.B., *Professor of English.*

A.B., Bryn Mawr College, 1893; University of Oxford, England, and University of Leipsic, 1893-94; Sorbonne and Collège de France, and University of Leipsic, 1894-95.

KARL DETLEV JESSEN, PH.D., *Professor of German Literature.*

Winnemark, Schleswig-Holstein, Germany. A.B., University of Chicago, 1896, and Fellow in German, 1897-98; Ph.D., University of Berlin, 1901; University of Chicago, 1895-98; University of Kiel, 1899; University of Berlin, 1898-1901; Acting Professor of Modern Languages, Eureka College, 1896; Instructor in German, Iowa State University, 1897; Instructor in German, Harvard University, 1901-03, and Lecturer on German Literature and Aesthetics, 1904.

TENNEY FRANK, PH.D., *Professor of Latin.*

A.B., University of Kansas, 1898, and A.M., 1899; Ph.D., University of Chicago, 1903; Fellow, University of Chicago, 1899-1901; Assistant and Associate in Latin, University of Chicago, 1901-04.

DAVID HILT TENNENT,* PH.D., *Professor of Biology.*

S.B., Olivet College, 1900; Fellow, Johns Hopkins University, 1902-04; Bruce Fellow, Johns Hopkins University, 1904; Ph.D., Johns Hopkins University, 1904.

CARLETON FAIRCHILD BROWN, PH.D., *Professor of English Philology.*

A.B., Carleton College, 1888; A.M., Harvard University, 1901, and Ph.D., 1903. Shattuck Scholar, Harvard University, 1901-03; Instructor in English, Harvard University, 1903-05.

JAMES BARNES, PH.D., *Associate Professor of Physics.*

Halifax, Nova Scotia. B.A., Dalhousie University, Honours in Mathematics and Physics, 1899, and M.A., 1900, Ph.D., Johns Hopkins University, 1904. Holder of 1851 Exhibition Science Research Scholarship, 1900-03; Fellow, Johns Hopkins University, 1903-04, and Assistant in Physics, 1904-06.

RICHARD THAYER HOLBROOK, PH.D., *Associate Professor of French Philology and Italian.*

A.B., Yale University, 1893; Ph.D., Columbia University, 1902. Sorbonne, Collège de France, Ecole des Chartes, 1893-94, 1895-96; Student in Italy and University of Berlin, 1894-95; Student in Spain, 1901; Tutor in the Romance Languages and Literatures, Yale University, 1896-1901, and Columbia University, 1902-06.

THEODORE DE LEO DE LAGUNA, PH.D., *Professor of Philosophy.*

A.B., University of California, 1896, and A.M., 1899; Ph.D., Cornell University, 1901. Teacher in the Government Schools of the Philippine Islands, 1901-04; Honorary Fellow and Assistant in Philosophy, Cornell University, 1904-05; Assistant Professor of the Philosophy of Education, University of Michigan, 1905-07.

MARION REILLY, A.B., *Dean of the College and Reader in Philosophy.*

A.B., Bryn Mawr College, 1901; Graduate Student, Bryn Mawr College, 1901-02, 1903, 1903-06; Newnham College, University of Cambridge, Spring, 1907; Universities of Rome and Sienna, 1911-12.

MARION PARRIS SMITH, PH.D., *Associate Professor of Economics.*

A.B., Bryn Mawr College, 1901, and Ph.D., 1909. Graduate Student, Bryn Mawr College, 1902-05, Fellow in Economics and Politics, 1905-06; Bryn Mawr College Research Fellow and Student in Economics and Politics, University of Vienna, 1906-07.

FREDERICK HUTTON GETMAN, PH.D., *Associate Professor of Chemistry.*

Ph.D., Johns Hopkins University, 1903. Rensselaer Polytechnic Institute, 1893-96; University of Virginia, 1896-97; Fellow in Chemistry, Johns Hopkins University, 1902-03, and Fellow by Courtesy, 1903-04; Carnegie Research Assistant in Physical Chemistry, 1903-04; Lecturer in Physical Chemistry, College of the City of New York, 1904-05, and Lecturer in Physics, Columbia University, 1907-08.

* Granted leave of absence from October 1, 1913, to December 31, 1913.

CLARENCE ERROL FERREE, PH.D., *Associate Professor of Experimental Psychology and Director of the Psychological Laboratory.*

B.S., Ohio Wesleyan University, 1900, A.M., 1901, and M.S., 1902; Ph.D., Cornell University, 1909. Fellow in Psychology, Cornell University, 1902-03; Assistant in Psychology, Cornell University, 1903-07.

ORIE LATHAM HATCHER, PH.D., *Associate Professor of Comparative Literature and Elizabethan Literature.*

A.B., Vassar College, 1888; Ph.D., University of Chicago, 1903. Graduate Student, University of Chicago, 1901-03, and Fellow in English, 1903-04.

AGATHE LASCH, PH.D., *Associate Professor of Teutonic Philology.*

Berlin, Germany. Ph.D., University of Heidelberg, 1909. Student, University of Halle, 1906-07; University of Heidelberg, 1907-10. State Examination *pro facultate docendi*, Karlsruhe, 1910.

GRACE MEAD ANDRUS DE LAGUNA, PH.D., *Associate in Philosophy.*

A.B., Cornell University, 1903, and Ph.D., 1906. Sage Scholar in Philosophy, Cornell University, 1903-05; Alice Freeman Palmer Fellow of Wellesley College, 1905-06; Reader in Philosophy, Bryn Mawr College, 1907-08.

REGINA KATHARINE CRANDALL, PH.D., *Director of English Essay Work and Reader in English.*

A.B., Smith College, 1890; Ph.D., University of Chicago, 1902. Graduate Student, University of Chicago, 1893-94, and Fellow in History, 1894-96; Assistant in History, Smith College, 1896-99; Instructor in History, Wellesley College, 1899-1900.

KATE GORDON, PH.D., *Associate Professor of Education.*

Ph.B., University of Chicago, 1900, and Ph.D., 1903. Scholar in Pedagogy, University of Chicago, 1900-01, and Fellow in Philosophy, 1901-03; European Fellow of the Association of Collegiate Alumnae, 1903-04; Instructor in Ethics and Psychology, Mt. Holyoke College, 1904-05, and in Teachers' College, Columbia University, 1906-07; Substitute Professor of Philosophy, Mt. Holyoke College, Second Semester, 1911-12.

CLARENCE HENRY HARING, A.B., B.LITT., *Associate in History.*

A.B., Harvard University, 1907; B.Litt., University of Oxford, 1909. Rhodes Scholar, University of Oxford, 1907-10; John Harvard Fellow of Harvard University, 1908-10; Austin Teaching Fellow in Harvard College, 1910-11; Bayard Cutting Travelling Fellow in History, Harvard University, and Student, University of Berlin, 1911-12.

JAMES FULTON FERGUSON, PH.D., *Associate in Ancient History and Latin.*

A.B., Monmouth College, 1903; A.B., Yale University, 1906, A.M., 1907, and Ph.D., 1912. Fellow, Yale University, 1906-09; Instructor in Williams College, 1909-10; Instructor in Greek and Latin, Yale College, 1910-12.

LOUIS CONS, *Associate in French.*

Lyons, France. *Bachelier-ès-lettres*, Lyons University, 1896, and *Licencié-ès-lettres*, University of Paris, 1899. The Sorbonne, 1901-04; Certificat d'Etudes Scientifiques, University of Grenoble, 1902; Assistant in French, University of Berlin, 1906-08; French Tutor in the Royal Court of Prussia, 1906-08; Ecole des Hautes-Etudes, Paris, 1909-10. *Officier d'Academie*, 1905.

THOMAS CLACHAR BROWN, PH.D., *Associate in Geology.*

A.B., Amherst College, 1904; A.M., Columbia University, 1905, and Ph.D., 1909. Assistant in Paleontology, Columbia University, 1905-07; Geologist to the Board of Water Supply of New York City, 1907-09; Assistant Professor of Geology, Middlebury College, 1909-11; Non-resident Lecturer in Geology, Norwich University, 1909; Assistant Professor of Geology, Pennsylvania State College, 1911-12.

JAMES RYALS CONNER, PH.D., *Associate in Mathematics.*

A.B., University of Georgia, 1898; Ph.D., Johns Hopkins University, 1909. Johns Hopkins University, 1906-12, Fellow, 1907-09, Carnegie Research Assistant, 1909-11, Johnston Scholar and Fellow by Courtesy, Johns Hopkins University, 1911-12.

ROGER FREDERIC BRUNEL, PH.D., *Associate in Chemistry.*

A.B., Colby University, 1903; Ph.D., Johns Hopkins University, 1906. Lecture Assistant in Chemistry, Johns Hopkins University, 1906-07; Instructor in Chemistry, Syracuse University, 1907-10, and Assistant Professor of Chemistry, 1910-12.

MATILDE CASTRO, PH.D., *Director of the Phebe Anna Thorne Model School.*

A.B., University of Chicago, 1900, and Ph.D., 1907. Fellow in Philosophy, University of Chicago, 1900-01, 1903-04, 1905-06. Principal of the Morris High School, Chicago, 1901-03; Instructor in Philosophy, Mt. Holyoke College, 1904-05; Instructor in Philosophy, Vassar College, 1906-09; Professor and Head of the Department of Philosophy, Rockford College, 1910-12.

ARTHUR RUSSELL MOORE, PH.D., *Associate Professor of Physiology.*

A.B., University of Nebraska, 1904; Ph.D., University of California, 1911. Assistant in Physiology, University of California, 1909-11, and Assistant Professor of Physiology, 1911-13.

DONALD FISHER, PH.D., *Associate in Philosophy.*

A.B., Western Reserve University, 1908; A.M., Harvard University, 1909, and Ph.D., 1913; Travelling Fellow in Philosophy, Harvard University and Student, Universities of Graz, Berlin, and Freiburg, 1910-12; Assistant in Philosophy, Harvard University, 1912-13.

SAMUEL ARTHUR KING, M.A., *Non-resident Lecturer in English Diction.*

Tynemouth, England. M.A., University of London, 1900. Special Lecturer in Elocution, Johns Hopkins University, 1901; Special Lecturer in Elocution, University of California, 1902.

GEORGIANA GODDARD KING, A.M., *Lecturer in the History of Art and Comparative Literature.*

A.B., Bryn Mawr College, 1896, and A.M., 1897. Fellow in Philosophy, Bryn Mawr College, 1896-97, and Fellow in English, 1897-98; Collège de France, First Semester, 1898-99.

SYDNEY D. M. HUDSON, PH.B., *Lecturer in Political Science.*

Ph.B., University of Syracuse, 1907. President's University Scholar, Columbia University, 1909-10, and George William Curtis Fellow in Political Science, 1910-11.

ROLAND G. KENT, PH.D., *Non-resident Lecturer in Sanskrit.*

A.B., Swarthmore College, 1895, B.L., 1896, and A.M., 1898; Ph.D., University of Pennsylvania, 1903. Student, Universities of Berlin and Munich and the American School of Classical Studies at Athens, 1899-1902; University of Pennsylvania, Second Semester, 1902, Harrison Fellow in Classics, 1902-03, Harrison Research Fellow in Classics, 1903-04, Instructor in Greek and Latin, 1904-09, and Assistant Professor of Comparative Philology, 1909-14.

FREDERICK ARCHIBALD DEWEY, S.B., *Lecturer in Economics and Sociology.*

S.B., Massachusetts Institute of Technology, 1910. University of Grenoble, Autumn Semester, 1904; University of Michigan, 1905-06; Graduate Student in Sociology, Columbia University, 1911-12, and University Fellow in Sociology, 1912-13.

PAUL VAN BRUNT JONES, PH.D., *Lecturer in History.*

A.B., University of Michigan, 1906, A.M., and Ph.D., University of Pennsylvania, 1912. Assistant in History, University of Michigan, 1907-10; Harrison Fellow in History, University of Pennsylvania, 1910-12, and Harrison Research Fellow, 1912-13.

RHYS CARPENTER, A.B., *Lecturer in Classical Archaeology.*

A.B., Columbia University, 1911, and B.A., University of Oxford, 1911; Rhodes Scholar and Student, Balliol College, University of Oxford, 1908-11; Drisler Fellow in Classics, Columbia University, 1911-12; Student, American School of Classical Studies in Athens, 1912-13.

FLORENCE PEEBLES,* PH.D., *Lecturer in Biology.*

A.B., Woman's College of Baltimore, 1895, and Ph.D., Bryn Mawr College, 1900. Graduate Scholar in Biology, Bryn Mawr College, 1895-96; Fellow in Biology, 1896-97, and Graduate Student, 1897-98, 1903-04, 1906-11; Holder of the Mary E. Garrett European Fellowship, Scholar of the Woman's Table and Student in Biology, Zoological Station, Naples, Universities of Munich and Halle, 1898-99; Instructor in Biology, Woman's College of Baltimore, 1899-1902, and Associate Professor of Biology, 1902-06; Student, University of Bonn, summer, 1906; Teacher of Science in Miss Wright's School, Bryn Mawr, 1906-11; Holder of American Woman's Table in Zoological Station, Naples, spring, 1907; Assistant Demonstrator in Biology, Bryn Mawr College, 1907-10, and Private Tutor, 1907-12; Fellow of the Association of Collegiate Alumnae, Boston Branch, and Student and Research Worker, Germany and France, 1912-13.

* Appointed as substitute for Professor David Hilt Tennent during his absence from October 1, 1913, to December 31, 1913.

EMIL CARL WILM,* Ph.D., *Lecturer (elect) in Philosophy.*

A.B., Southwestern University, 1902; A.M., Vanderbilt University, 1903; Ph.D., Cornell University, 1905. Professor of Philosophy, Washburn College, 1905-11; Assistant and Docent in Philosophy, Harvard University and Radcliffe College, 1911-12; Professor of Philosophy and Education, Wells College, 1912-14.

JANET TUCKER HOWELL,† Ph.D., *Lecturer (elect) in Physics.*

A.B., Bryn Mawr College, 1910; Ph.D., Johns Hopkins University, 1913. Helen Schaeffer Huff Research Fellow in Physics, Bryn Mawr College, 1913-14.

CHESTER ELIJAH KELLOGG,‡ A.M., *Lecturer (elect) in Psychology.*

A.B., Bowdoin College, 1911; A.M., Harvard University, 1912. Assistant in French and Psychology, Bowdoin College, 1910-11; Austin Fellow Harvard University, 1912-13, and Graduate Student, 1913-14.

ABBY KIRK, A.B., *Reader in Elementary Greek.*

A.B., Bryn Mawr College, 1892. Reader in English, Bryn Mawr College, 1892-98.

MARY JEFFERS, A.M., *Reader in Elementary German.*

A.B., Bryn Mawr College, 1895, and A.M., 1897. Graduate Student, Bryn Mawr College, 1895-98, 1903-04, 1906-07; Teacher of Latin in the Misses Shipley's School, Bryn Mawr, 1895-98; Student at the Universities of Munich and Halle, 1898-99; Teacher of Latin and History in the Girls' Latin School, Baltimore, Md., 1900-01; Head of the Latin Department in the Misses Shipley's School, Bryn Mawr, 1899-1907; Student, University of Bonn, Summer of 1905; Private Tutor, 1892-1914; Supervisor of College Preparatory Department, Brantwood Hall, Bronxville, Lawrence Park, N. Y., 1905-07; Lecturer on European Travel, Miss Wright's School, 1904-14, and Teacher of Latin, 1911-14.

EDNA ASTON SHEARER, A.B., *Reader in English.*

A.B., Bryn Mawr College, 1904; Junior Fellow in Philosophy, Bryn Mawr College, 1904-05; Holder of the President's Fellowship and Student, Universities of Edinburgh and Aberdeen, 1905-06; Fellow in Philosophy, Bryn Mawr College, 1906-07; Teacher of English in the Baldwin School, Bryn Mawr, Pa., 1907-09, and Graduate Student, Bryn Mawr College, 1907-08.

E. BEATRICE DAW, A.M., *Reader in English.*

A.B., Vassar College, 1909, and A.M., University of Pennsylvania, 1910.

MARY HAMILTON SWINDLER, Ph.D., *Reader in Latin and Reader and Demonstrator in Classical Archaeology.*

A.B., University of Indiana, 1905, and A.M., 1906; Ph.D., Bryn Mawr College, 1913. Graduate Scholar in Greek, Bryn Mawr College, 1906-07, and Fellow in Greek, 1907-09; Mary E. Garrett European Fellow and Student, Universities of Berlin and Oxford and the American School of Classical Studies in Athens, 1909-10; Teacher in the Misses Shipley's School, Bryn Mawr, 1910-11, and in Miss Wright's School, Bryn Mawr, 1911-12.

MARION DELIA CRANE, A.B., *Assistant in English.*

A.B., Bryn Mawr College, 1911. Secretary, the Bryn Mawr School, Baltimore, 1911-12. Reader in English and Secretary to the Dean of the College, 1912-13.

IDA LANGDON, Ph.D., *Reader in English.*

A.B., Bryn Mawr College, 1903; A.M., Cornell University, 1910, and Ph.D., 1912. Cornell University, 1909-12.

ANNIE LOUISE MACLEOD, Ph.D., *Reader in Physiological Chemistry and Demonstrator in Chemistry.*

A.B., McGill University, 1904, M.Sc., 1905, and Ph.D., 1910. Demonstrator in Chemistry, McGill University, 1905-08; Assistant in Chemistry, Barnard College, 1908-09; Fellow in Chemistry, Bryn Mawr College, 1909-10, and Research Fellow in Chemistry, 1910-12.

CHRISTINE POTTS HAMMER, A.B., *Reader in English.*

A.B., Bryn Mawr College, 1912.

* Appointed as substitute for Professor Theodore de Leo de Laguna in 1914-15.

† Appointed as substitute for Professor James Barnes in 1914-15.

‡ Appointed as substitute for Professor James Leuba in 1914-15.

GERTRUDE RAND, PH.D., *Reader in Educational Psychology and Demonstrator in Experimental Psychology.*

A.B., Cornell University, 1908; Ph.D., Bryn Mawr College, 1913. Graduate Scholar in Psychology, Bryn Mawr College, 1908-09, 1911-12, Fellow in Philosophy, 1909-10, Fellow in Psychology, 1910-11 and Sarah Berliner Research Fellow, 1912-13.

EUNICE MORGAN SCHENCK, PH.D., *Reader in French.*

A.B., Bryn Mawr College, 1907, and Ph.D., 1914. Graduate Student, Bryn Mawr College, 1909, Graduate Scholar, 1909-10, and Fellow in Romance Languages, 1912-13; President's European Fellow and Student, the Sorbonne, Collège de France, University of Grenoble and in Madrid, 1910-12.

MAUDE ELIZABETH TEMPLE,* PH.D., *Reader in English.*

A.B., Bryn Mawr College, 1904, and A.M., 1905; Ph.D., Radcliffe College, 1913. Graduate Scholar in English, Bryn Mawr College, 1904-05; Graduate Scholar, Radcliffe College, 1909-10; Research Student, Collège de France and the Sorbonne, 1910-11; Fellow of the Women's Education Association of Boston, 1911-12.

ESTHER CLOUDMAN DUNN, A.B., *Reader in English.*

A.B., Cornell University, 1913.

MABEL KATHRYN FREHAFFER, A.M., *Demonstrator in Physics.*

A.B., Bryn Mawr College, 1908; A.M., University of Wisconsin, 1909. Graduate Student, University of Wisconsin, 1908-09; Fellow in Physics, Bryn Mawr College, 1909-10.

MARY EDITH PINNEY, A.M., *Demonstrator in Biology.*

A.B., Kansas State University, 1908, and A.M., 1910. Teaching Fellow in Zoology, Kansas State University, 1909-10, and High School Instructor, Alma, Kan., 1908-09; Fellow in Biology, Bryn Mawr College, 1910-11; President's European Fellow and Student, Universities of Bonn and Heidelberg and Zoological Station, Naples, 1911-12; Instructor in Zoology, Kansas State University, 1912-13.

JEANNETTE CONS, A.M., *Assistant in French and French Oral Tutor.*

A.B., Swarthmore College, 1907, and A.M., 1909. University of Berlin, 1907-08, Instructor in French, Swarthmore College, 1912-13.

PHEBE ANNA THORNE MODEL SCHOOL.

MATILDE CASTRO, PH.D., *Director and Teacher of English, History, and Science.*

A.B., University of Chicago, 1900, and Ph.D., 1907. Fellow in Philosophy, University of Chicago, 1900-01, 1903-04, 1905-06. Principal of the Morris High School, Chicago, 1901-03; Instructor in Philosophy, Mt. Holyoke College, 1904-05; Instructor in Philosophy, Vassar College, 1906-09; Professor and Head of the Department of Philosophy, Rockford College, 1910-13.

KATE GORDON, PH.D., *Teacher of Mathematics, Drawing and Modelling.*

Ph.B., University of Chicago, 1900 and Ph.D., 1903. Scholar in Pedagogy, University of Chicago, 1900-01, and Fellow in Philosophy, 1901-03; European Fellow of the Association of Collegiate Alumnae, 1903-04; Instructor in Ethics and Psychology, Mt. Holyoke College, 1904-05, and in Teachers' College, Columbia University, 1906-07; Substitute Professor of Philosophy, Mt. Holyoke College, Second Semester, 1911-12; Associate Professor of Education, Bryn Mawr College.

SAMUEL ARTHUR KING, A.M., *Teacher of Reading.*

Tynemouth, England. M.A., University of London, 1900. Special Lecturer in Elocution, Johns Hopkins University, 1901; Special Lecturer in Elocution, University of California, 1902; Non-Resident Lecturer in English Diction, Bryn Mawr College.

EUNICE MORGAN SCHENCK, A.B., *Teacher of French.*

A.B., Bryn Mawr College, 1907. Graduate Student, Bryn Mawr College, 1909, Graduate Scholar, 1909-10, and Fellow in Romance Languages, 1912-13; President's European Fellow and Student, the Sorbonne, Collège de France, University of Grenoble and Madrid, 1910-12. Reader in French, Bryn Mawr College.

* Resigned, November 14, 1913.

PLACIDO DE MONTOLIU, *Jaques-Dalcroze Eurhythmics*.

Graduate of the Jaques-Dalcroze College of Rhythmic Training, Hellerau, Germany.

CONSTANCE M. K. APPLEBEE, *Out-of-Door Sports and Games*.

Director of Gymnastics and Athletics, Bryn Mawr College.

CYNTHIA MARIA WESSON, *Out-of-door Sports and Games*.

A.B., Bryn Mawr College, 1909; Graduate of Dr. Sargent's School for Physical Education, Cambridge, Massachusetts, 1913.

EXECUTIVE STAFF.

EDITH ORLADY, A.B., *Secretary of the College*.

A.B., Bryn Mawr College, 1902. Warden of Pembroke Hall West, 1903-05, and Warden of Rockefeller Hall, 1905-06; Graduate Student, Bryn Mawr College, 1903-06, 1907-09; Recording Secretary, 1910-12.

ABIGAIL CAMP DIMON, A.M., *Recording Secretary*.

A.B., Bryn Mawr College, 1896, and A.M., 1899. Vice-Principal of the High School, Clinton, N. Y., 1896-97; Assistant Teacher of English in the Utica Academy, 1897-98; Graduate Student, Bryn Mawr College, 1898-99; Tutor, 1900-01; Graduate Student and Warden of Radnor Hall, Bryn Mawr College, 1901-04; Teacher of Science in the Balliol School, Utica, 1904-05, and of Science and Mathematics, 1905-08; Teacher in the New School, Utica, 1908-09; Demonstrator in Biology, Bryn Mawr College, 1911, and Reader in Biology, 1911-12.

MARTHA GIBBONS THOMAS, A.B., *Warden of Pembroke Hall*.

A.B., Bryn Mawr College, 1889.

SUSANNE CAREY ALLINSON, A.B., *Warden of Radnor Hall*.

A.B., Bryn Mawr College, 1910.

ELEANOR BONTECOU, A.B., *Warden of Denbigh Hall*.

A.B., Bryn Mawr College, 1913.

HILDA WORTHINGTON SMITH, A.M., *Warden of Rockefeller Hall*.

A.B., Bryn Mawr College, 1910, and A.M., 1911. Graduate Student, Bryn Mawr College, 1910-11; Student, New York School of Philanthropy, 1912-13.

RUTH BABCOCK, A.B., *Warden of Merion Hall*.

A.B., Bryn Mawr College, 1910. Teacher in Deerfield Academy, Deerfield, Mass., 1910-13.

FRANCES ALLEN FOSTER, A.B., *Assistant Warden of Pembroke Hall*.

A.B., Brown University, 1909. Scholar in English, Bryn Mawr College, 1909-11, and Fellow in English, 1911-12; Mary E. Garrett European Fellow and Student in the British Museum, 1912-13.

MARIAN DELIA CRANE, A.B., *Senior Graduate Student of Cartref*.

A.B., Bryn Mawr College, 1911. Secretary, the Bryn Mawr School, Baltimore, 1911-12; Reader in English and Secretary to the Dean of the College, 1912-13; Assistant in English and Graduate Scholar in English, 1913-14.

SANDY L. HURST, *Comptroller*.

MIRIAM MARGARET HEDGES, A.B., *Business Manager*.

A.B., Bryn Mawr College, 1910. Secretary of Wykeham Rise, Washington, Conn., 1910-11, and Secretary and Teacher of Geometry, 1911-12; Secretary of the Baldwin School, Bryn Mawr, Pa., 1912-13.

MARGARET A. PROCTOR, A.B., *Junior Bursar*.

A.B., University of Toronto, 1906. Laboratory Assistant in Physiological Chemistry and Bacteriology, University of Toronto, 1906-08; Dietitian, Department of Public Charities, New York City, 1908-09; Assistant Manager, Whittier Hall Dining Rooms, Barnard College, 1909-10.

LOIS ANTOINETTE REED, A.B., B.L.S., *Librarian*.

A.B., University of Illinois, 1909; B.L.S., New York State Library School, 1904. Librarian, The Western College, Oxford, Ohio, 1905-07; Cataloguer and Order Department Assistant, Library of the University of Illinois, 1907-10; Assistant Librarian, University of Rochester, 1910-13.

CONSTANCE M. K. APPLEBEE, *Director of Athletics and Gymnastics and Supervisor of Health Department.*

Licentiate, British College of Physical Education, 1898, and Member, 1899. Gymnasium Mistress, Girls' Grammar School, Bradford, Yorkshire, 1899-1900; in the Arnold Foster High School, Burnley, Yorkshire, 1899-1901; in the High School, Halifax, Yorkshire, 1900-01; Head of Private Gymnasium, Ilkley, Yorkshire, 1899-1901; Harvard School of Physical Training, Summer, 1901; Hockey Coach, Vassar College, Wellesley College, Radcliffe College, Mt. Holyoke College, Smith College, Bryn Mawr College, Boston Normal School of Gymnastics, 1901-04; Hockey Coach, Harvard Summer School of Gymnastics, 1906.

MARY WAGNER ANDERSON, *Assistant to the Director of Athletics and Gymnastics.*

Simmons College, 1909-10. Graduate of the Sargent School for Physical Education, Boston, 1913.

CYNTHIA MARIA WESSON, A.B., *Assistant in Athletics and Gymnastics.*

A.B., Bryn Mawr College, 1909. Graduate of the Sargent School for Physical Education, Boston, Mass., 1913.

HELEN COREY GEDDES, A.B., B.S., *Head Cataloguer.*

A.B., Radcliffe College, 1905; B.S., Simmons College, 1910. Library Assistant, University of Illinois, 1910-12.

BESSIE HOMER JENNINGS, *Assistant Cataloguer.*

Graduate, Drexel Institute Library School, 1900.

SARAH WOOSTER ENO, A.B., *Circulation and Reference Librarian.*

A.B., University of Illinois, 1908. Cataloguer, Library of the University of Pennsylvania, 1909-10; Librarian, Stetson University, 1910-12.

MARIAN PRICE, A.B., *Assistant to the Librarian.*

A.B., Vassar College, 1910. Drexel Institute Library School, 1910-11.

HELEN ROTHROCK SHOEMAKER, A.B., *Assistant to the Circulation and Reference Librarian.*

A.B., Vassar College, 1910. Drexel Institute Library School, 1911-12.

MARY WARREN TAYLOR, *Secretary to the Department of Athletics and Gymnastics and Recording Secretary to the Health Department.*

GENEVIEVE ESTELLE POTTER, *Bookkeeper and Assistant to the Comptroller.*

MABEL GRAY THOMAS, *Stenographer and Assistant Bookkeeper in the Comptroller's Office.*

THOMAS F. BRANSON, M.D., *Physician in Chief.*

A.B., Haverford College, 1889; M.D., University of Pennsylvania, 1892. Attending Physician, Bryn Mawr Hospital.

FRANCES R. SPRAGUE, B.L., M.D., *Assistant Physician of the College.*

B.L., University of California, 1886; M.D., Woman's Medical College of Pennsylvania, 1891. Visiting Physician and Surgeon, Children's Department, Children's Hospital of San Francisco, 1898-1910; Visiting Surgeon, Woman's Hospital of Pennsylvania, and Consulting Surgeon, West Philadelphia Hospital for Women; Practicing Physician, Bryn Mawr, Pa., 1910-14.

HELEN MURPHY, M.D., *Examining Oculist.*

M.D., Woman's Medical College of Pennsylvania, 1893; Assistant Demonstrator in Histology, Woman's Medical College of Pennsylvania, 1894-96; Instructor in Materia Medica, 1896-1902; Instructor in Diseases of the Eye, Philadelphia Polyclinic and College for Graduates in Medicine, 1895-97.

The following physicians have consented to serve as consultants:

THOMAS McCRAE, M.D., F.R.C.P., 1627 Spruce Street, Philadelphia, *Consultant Physician.*

GEORGE DE SCHWEINITZ, M.D., 1705 Walnut Street, Philadelphia, *Consultant Oculist.*

ROBERT G. LE CONTE, M.D., 1625 Spruce Street, Philadelphia, *Consultant Surgeon*.

FRANCIS R. PACKARD, M.D., 304 S. Nineteenth Street, Philadelphia, *Consultant Aurist and Laryngologist*.

JAMES K. YOUNG, M.D., 222 S. Sixteenth Street, Philadelphia, *Consultant Orthopædist*.

The Academic Committee of the Alumnæ.

CORNELIA VAN WYCK HALSEY, A.B. (Mrs. Frederic Rogers Kellogg), (*ex-officio*), 31 Boyken Street, MORRISTOWN, N. J.

ANNA BELL LAWTHER, A.B., (*Chairman*), 239 Seventeenth Street, DUBUQUE, IOWA.

KATHARINE LORD, A.B., PLYMOUTH, MASS.

MARY DELIA HOPKINS, A.M., CLINTON, N. Y.

FRANCES AMELIA FINCKE, A.B. (Mrs. Learned Hand), 142 East 65th Street, NEW YORK CITY.

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GERTRUDE HARTMAN, A.B., 15 Centre Street, BROOKLINE, MASS.

PAULINE DOROTHEA GOLDMARK, A.B., 270 West 94th Street, NEW YORK CITY.

STUDENTS.

Fellows and Graduate Students, Academic Year, 1913-14.

HELEN MAXWELL KING,..... *Mary E. Garrett European Fellow.*
Olivet, Mich. Olivet College, 1907, and A.M., 1908. Graduate Student, Bryn Mawr College, 1908-09; Fellow in Romance Languages, 1909-10. Private Secretary to the United States Minister to Siam, 1910-12; Graduate Scholar, Bryn Mawr College, Second Semester, 1912-13; Student, Sorbonne and Collège de France, 1913-14.

MARY ALICE HANNA,..... *Mary E. Garrett European Fellow.*
Trenton, Mo. A.B., University of Missouri, 1909, and B.S., 1911. Teacher in the High School, Vandalia, Mo., 1909-11; Graduate Student, Bryn Mawr College, 1911-12, and Fellow in History, 1912-13; Research Student in the British Museum, 1913-14.

HELEN HUSS PARKHURST,..... *President's European Fellow.*
Englewood, N. J. A.B., Bryn Mawr College, 1911. Teacher in the Dwight School, Englewood, 1911-12. Graduate Scholar in Philosophy, Bryn Mawr College, 1912-13; Student, University of Cambridge, 1913-14.

ADAH BLANCHE ROE,
Ottendorfer Memorial Research Fellow in Teutonic Philology.

Omaha, Neb. A.B., Woman's College of Baltimore, 1909. Scholar in German, Bryn Mawr College, 1909-11; Ottendorfer Memorial Research Fellow in Teutonic Philology, and Student, University of Berlin, 1911-12; Fellow in German, Bryn Mawr College, 1912-13; Student, University of Leipsic, 1913-14.

JANET TUCKER HOWELL,
Helen Schaeffer Huff Research Fellow in Physics.
Baltimore, Md. A.B., Bryn Mawr College, 1910. Ph.D., Johns Hopkins University, 1913. Graduate Student in Physics, Johns Hopkins University, 1910-13.

ANGELA CHARLOTTE DARKOW,..... *Fellow in Greek.*
Philadelphia. A.B., Bryn Mawr College, 1911. Graduate Scholar in Greek, Bryn Mawr College, 1911-12, and Fellow in Greek, 1912-13.

LENA BELLE SALISBURY,..... *Fellow in Latin.*
Oswego, N. Y. A.B., Syracuse University, 1910, and A.M., 1913. Teacher, Chittenango, N. Y., 1910-11; Weedsport, N. Y., 1911-12; Goodyear-Burlingame School, Syracuse, N. Y., 1912-13.

GERTRUDE HILDRETH CAMPBELL,..... *Fellow in English.*
Providence, R. I. A.B., Brown University, 1911, and A.M., 1912. Tutor in English, Brown University, 1912; Graduate Scholar in English, Bryn Mawr College, 1912-13.

JUNE CHRISTINA EDDINGFIELD,..... *Fellow in German.*
Mace, Ind. A.B., University of Indiana, 1906. Student, University of Indiana, Summer Semesters, 1908, 1910, 1911, 1912. Assistant Principal of the High School, Swayzee, Ind., 1906-08; Head of German Department in the High School, Elwood, Ind., 1908-12; Graduate Scholar in German, Bryn Mawr College, 1912-13.

VERA LILLIAN PARSONS,..... *Fellow in Romance Languages.*
Toronto, Canada. B.A., University of Toronto, 1911, and M.A., 1912. Graduate Scholar in English, Bryn Mawr College, 1912-13.

LOUISE MAUDSLEY SUMNER,..... *Fellow in History.*
St. Paul, Minn. A.B., University of Minnesota, 1912, and A.M., 1913.

BYNE FRANCES GOODMAN,..... *Fellow in Economics.*
Champaign, Ill. A.B., University of Illinois, 1912, and A.M., 1913.

MARION ALMIRA BILLS,..... *Fellow in Psychology.*
Allegan, Mich. A.B., University of Michigan, 1908. Teacher in the Public School, Allegan, 1909-11; Graduate Scholar in Psychology, Bryn Mawr College, 1911-13.

MARY GERTRUDE HASEMAN,..... *Fellow in Mathematics.*
Linton, Ind. A.B., University of Indiana, 1910. Professor of Mathematics in Vincennes University, 1910-11; Graduate Scholar in Mathematics, Bryn Mawr College, 1911-13.

KATHERINE MELVINA DOWNEY,..... *Fellow in Physics.*
Wheaton, Minn. A.B., University of Minnesota, 1910, and A.M., 1913. Teacher in Luverne, Minn., 1912-13.

- JULIA PEACHY HARRISON**,.....*Fellow in Chemistry.*
Richmond, Va. A.B., Richmond College, 1906, and A.M., 1907, B.S., 1909; Ph.D., Johns Hopkins University, 1913. Graduate Student, Johns Hopkins University, 1909-12; Teacher in the High School, Richmond, 1907-08; Carnegie Research Assistant, Johns Hopkins University, 1912-13.
- GRACE MEDES**,.....*Fellow in Biology.*
Kansas City, Mo. A.B., Kansas State University, 1904, and A.M., 1913.
- AGNES BORTHWICK**,.....*Special British Graduate Scholar.*
Greenock, Scotland. M.A., Glasgow University, 1910. Graduate Student, Glasgow University, 1910-12; Honours in English, 1912. British Graduate Scholar, Bryn Mawr College, 1912-13.
- ELEANOR SHIPLEY DUCKETT**,.....*Special British Graduate Scholar.*
Frome, Somerset, England. B.A., University of London, 1902, and M.A., 1904. Girton College, University of Cambridge, England, 1908-11; Classical Tripos, Part 1, 1911. Classical Mistress in the High School, Sutton, Surrey, 1905-07; British Graduate Scholar, Bryn Mawr College, 1911-12, and Fellow in Latin, 1912-13.
- ELIZABETH MARY EDWARDS**,.....*Special British Graduate Scholar.*
Liverpool, England. A.B., University of Liverpool with Honours in Economics, 1910; M.A. and Diploma in Education, 1912. Student, University of Berlin, 1910-12; Assistant in the Potsdam Höheren Mädchenschule, 1910-11, and in the Chamissochule, Berlin, 1911-12; British Graduate Scholar, Bryn Mawr College, 1912-13.
- AGNES MURRAY MACFADZEAN**,.....*Special British Graduate Scholar.*
Glasgow, Scotland. B.A., University of Glasgow, 1910, and M.A., 1911. Student, University of Göttingen, 1910-11; British Graduate Scholar, Bryn Mawr College, 1912-13.
- MARGARET AMISS**,.....*British Graduate Scholar.*
Bromyard, England. B.A., University of Wales, 1908. Teacher in Intermediate School for Girls, Hengoed, Wales, 1909-13.
- ALICE MARY ASHLEY**,.....*British Graduate Scholar.*
Edgbaston, England. Newnham College, Cambridge, England, 1910-13. Classical Tripos, Part I, 1913.
- CHRISTINE GWENDOLINE MARY ROBERTS**,.....*British Graduate Scholar.*
Aberystwyth, Wales. B.A., University of Bristol, 1911 and M.A., 1913. Teacher in Northumberland House School, Bristol, England, 1911-12, and in Royal Park School, Clifton, England, 1912-13.
- LILI AUERBACH**,.....*German Graduate Scholar.*
Berlin, Germany. University of Berlin, 1912-13; University of Freiburg, Summer Semester, 1913.
- MARGARETE FRIEDE BERTHA BEYFUSS**,.....*German Graduate Scholar.*
Bournemouth, England. University of Berlin, Winter Semester, 1911-12; University of Freiburg, 1912-13.
- MARTHA EWERTH**,.....*German Graduate Scholar.*
Zoppot bei Danzig, Germany. University of Königsberg, 1912-13.
- HILDEGARD KLEINE**,.....*German Graduate Scholar.*
Berlin, Germany. University of Berlin, 1911-13.
- JULIETTE MICHEL GALABERT**,.....*French Graduate Scholar.*
Frontignan, France. Ecole normale supérieure, Fontenay aux Roses, 1909-12.
- SUSANNE CAREY ALLINSON**,.....*Art and Archæology.*
Providence, R. I. A.B., Bryn Mawr College, 1910.
- RUTH BABCOCK**,.....*Biblical Literature and History.*
Deerfield, Mass. A.B., Bryn Mawr College, 1910. Warden of Merion Hall, Bryn Mawr College, 1913-14.
- MARY ELIZABETH BARNICLE**,.....*Graduate Scholar in Philosophy.*
Providence, R. I. A.B., Brown University, 1913. Teacher in Evening School, Providence, 1910-11.

- SADIE BELIEKOWSKY,.....*Graduate Scholar in Archæology.*
Philadelphia. A.B., Bryn Mawr College, 1912. Graduate Scholar in Latin, Bryn Mawr College, 1912-13.
- MARTHA BETZ,.....*Graduate Scholar in German.*
Kansas City, Mo. B.S., in Education, University of Missouri, 1910; A.B., 1911, and A.M., 1913.
- ELEANOR BONTECOU,.....*Latin and Spanish.*
Orange, N. J. A.B., Bryn Mawr College, 1913. Warden of Denbigh Hall, 1913-14.
- BELLE DOUGLASS BOYSEN,..*Susan B. Anthony Scholar in Political Theory.*
Knoxboro, N. Y. Ph.B., Syracuse University, 1911. Teacher in the Knoxboro Union School, 1904-05; Susan B. Anthony Scholar in Political Theory, Bryn Mawr College, 1912-13.
- CLARISSA BEATRICE BROCKSTEDT,.....*Graduate Scholar in Philosophy.*
St. Louis, Mo. A.B., Bryn Mawr College, 1913.
- ELIZABETH CABLE BROOK,.....*Graduate Scholar in History.*
Lawrence, Kans. A.B., Kansas State University, 1912, and A.M., 1913.
- VERA LEE BROWN,.....*Graduate Scholar in History.*
New Brunswick, Canada. B.A., McGill University, 1912, and M.A., 1913.
- MARGARET BUCHANAN,.....*Mathematics.*
Morgantown, W. Va. A.B., University of Virginia, 1906. Graduate Student, University of W. Virginia, 1907; Teacher of Mathematics in Marshall College, Huntington, W. Va., 1906-07; Assistant in Greek and Mathematics, West Virginia University, 1908-09, and Instructor in Mathematics, 1909-12.
- ALICE HILL BYRNE,.....*Greek.*
Lancaster, Pa. A.B., Wellesley College, 1908. Teacher of Latin and Greek in the Union High School, Coleraine, Pa., 1894-96, and Principal, 1899-1900; in Mrs. Blackwood's School, Lancaster, 1896-99, and 1900-01; Associate Principal and Teacher of Latin and Greek in Miss Stahr's School, Lancaster, 1901-05; Principal of the Shippen School, Lancaster, 1905-09; Teacher of Latin and Greek in Miss Hills's School, Philadelphia, 1909-11; Graduate Student, Bryn Mawr College, 1908-10, and Graduate Scholar in Greek, 1910-11; Teacher of Latin and Greek in the Baldwin School, Bryn Mawr, 1911-12, 1913-14, and in charge of the Lower School, 1912-13.
- JEANNETTE CONS,.....*Spanish.*
Bryn Mawr, Pa. A.B., Swarthmore College, 1907 and A.M., 1909. University of Berlin, 1907-08. Instructor in French, Swarthmore College, 1912-13; Assistant in French and French Oral Tutor, Bryn Mawr College, 1912-14.
- MARION DELIA CRANE,.....*Graduate Scholar in Philosophy.*
Providence, R. I. A.B., Bryn Mawr College, 1911. Secretary in the Bryn Mawr School, Baltimore, Md., 1911-12; Reader in English and Secretary to the Dean of the College, and Graduate Student, Bryn Mawr College, 1912-13.
- ANNA LAURA DAVIS,.....*Guilford College Scholar.*
Guilford College, N. C. A.B., Guilford College, 1913.
- CHARLOTTE D'EVELYN,.....*Graduate Scholar in English.*
San Francisco, Cal. B.L., Mills College, 1911; University of California, Summer, 1912. Teacher in the Public Schools, Bloomington, Idaho, Jan.-Jun., 1912, and in Sanger, Cal., 1912-13.
- NOEMA EUPHEMIA EASTLAND,....*French, Psychology, and History of Art.*
Waco, Texas. B.L., Baylor University, 1911.
- FRANCES ALLEN FOSTER,
.....*Research Scholar and Fellow by Courtesy in English.*
Providence, R. I. A.B., Brown University, 1909. Scholar in English, Bryn Mawr College, 1909-11, and Fellow in English, 1911-12; Mary E. Garrett European Fellow and Student in the British Museum, 1912-13.
- GRACE FRANK,.....*French.*
Bryn Mawr, Pa. A.B., University of Chicago, 1906.
- MARJORIE LORNE FRANKLIN,.....*Graduate Scholar in Economics.*
New York City. A.B., Barnard College, 1913.

- HELEN COREY GEDDES, *History of Art.*
 Allston, Mass. A.B., Radcliffe College, 1905; B.S., Simmons College, 1910. Library Assistant, University of Illinois, 1910-12. Head Cataloguer, Bryn Mawr College, 1912-14.
- VERNETTE LOIS GIBBONS, *Fellow by Courtesy in Chemistry.*
 Upton, Mass. Sc.B., Mt. Holyoke College, 1896, and A.B., 1899; M.Sc., University of Chicago, 1907; M.Sc., University of the Cape of Good Hope, 1908. Teacher in the High School, Bernardstown, Mass., 1896-97; Assistant in Chemistry, Mt. Holyoke College, 1897-99, and Instructor in Chemistry, 1899-1901; Instructor in Chemistry and Mineralogy, Wells College, 1902-04, and Associate Professor of Chemistry, 1905-06; Lecturer and Head of Department of Chemistry, Huguenot College, Wellington, South Africa, 1907-11, and on leave of absence, 1911-12; Fellow in Chemistry, Bryn Mawr College, 1911-12; President's European Fellow and Student, University of Munich, 1912-13.
- MARY AGNES GLEIM, *Latin.*
 Pittsburgh, Pa. A.B., Bryn Mawr College, 1897. Teacher in the Baldwin School, Bryn Mawr, Pa., 1892-97; in the Gordon School, Philadelphia, 1897-1902; Principal of Miss Gleim's School, Pittsburgh, 1902-09, and of the Thurston Gleim School, Pittsburgh, 1909-12; Graduate Scholar in Latin, Bryn Mawr College, 1912-13.
- ETTALENE MEARS GRICE, *Graduate Scholar in Biblical Literature.*
 Portsmouth, O. A.B., Western College for Women, 1908. Teacher in the Public Schools, Portsmouth, 1910-12.
- MILDRED HARDENBROOK, *Graduate Scholar in Greek.*
 Valatie, N. Y. A.B., Vassar College, 1908, and A.M., 1909. Graduate Scholar in Greek, Bryn Mawr College, 1911-12.
- KATHARINE VENAI HARLEY, *Economics.*
 Devon, Pa. A.B., Bryn Mawr College, 1908. Teacher in Darlington Seminary, West Chester, Pa., 1909-10, and in Bishopthorpe Manor, South Bethlehem, Pa., 1910-11; Senior Teacher of Mathematics and Latin in the Wissahickon Heights School for Girls, 1911-14.
- JANE ANNETTA HARRISON, *Graduate Scholar and Fellow by Courtesy in German.*
 La Plata, Mo. A.B., and B.S., University of Missouri, 1906 and A.M., 1907. Scholar in Germanic Languages, University of Missouri, 1906-07, and Graduate Student, 1908-09; Teacher in the High School, Sedalia, Mo., 1907-08; Fellow in German, Bryn Mawr College, 1909-10; Ottendorfer Memorial Research Fellow, and Student, University of Berlin, 1910-11; Teacher in the High School, St. Charles, Mo., 1911-13.
- LOIS ANNA FARNHAM HORN, *Education and Chemistry.*
 Bryn Mawr, Pa. A.B., Bryn Mawr College, 1900 and A.M., 1901. Graduate Scholar in History, Political Science and Law, Bryn Mawr College, 1900-01 and Fellow in Economics and Politics, 1901-02.
- ALICE PHILENA FELICIA HUBBARD, *Romance Languages.*
 Austin, Tex. B.S., University of Texas, 1900 and A.M., 1902. University of Chicago Summer School, 1904, 1905. Fellow in Spanish, University of Texas, 1899-1902; Tutor in Spanish, University of Texas, 1902-08, and Instructor in Spanish, 1908-13.
- HARRIET SPRATT HULLEY, *English and Classical Archæology.*
 De Land, Fla. Ph.B., Stetson University, 1913.
- ELIZABETH FORREST JOHNSON, *Education.*
 Bryn Mawr, Pa. A.B., Vassar College, 1902. Teacher of Mathematics in the Baldwin School, Bryn Mawr, 1903-08, Assistant to the Head, 1908-10, and Associate Head, 1910-14.
- ANGIE LILLIAN KELLOGG, *Graduate Scholar and Fellow by Courtesy in Philosophy.*
 Watertown, N. Y. A.B., Vassar College, 1903, and A.M., 1904. Teacher in the High School, Schenectady, N. Y., 1904-10, and in the High School, Hasbrouck Heights, N. J., March to June, 1911; Fellow in Philosophy, Bryn Mawr College, 1911-13.
- FLORENCE LONG, *Earlham College Scholar.*
 Princeton, Ind. A.B., Earlham College, 1913.
- MILDRED WEST LORING, *Graduate Scholar in Psychology.*
 Seattle, Wash. A.B., University of Washington, 1912, and A.M., 1913.

MAMIE MARSHALL,.....*Penn College Scholar.*
Union, Iowa. A.B., Penn College, 1913.

BEATRICE CORNELIA NATHANS,
Italian, Spanish and Comparative Literature.
Philadelphia. A.B., Bryn Mawr College, 1914.

MARION EDWARDS PARK,.....*Latin.*
Oberlin, O. A.B., Bryn Mawr College, 1898, and A.M., 1899. Bryn Mawr European Fellow, and Graduate Student, Bryn Mawr College, 1898-99, 1912-13; Autumn Quarter, University of Chicago, 1900-01; American School of Classical Studies, Athens, Greece, 1901-02; Instructor in Classics, Colorado College, 1902-03, 1904-06, and Acting Dean of Women, 1903-04; Teacher of English in Miss Wheeler's School, Providence, R. I., 1906-07, and of Classics, 1907-09; Acting Dean of Bryn Mawr College, 1911-12.

MARY PEIRCE,.....*Biblical Literature.*
Haverford, Pa. A.B., Bryn Mawr College, 1912.

MARY EDITH PINNEY,.....*Fellow by Courtesy in Biology.*
Wilson, Kans. A.B., Kansas State University, 1908 and A.M., 1910. Teacher in High School, Alma, Kans., 1908-09, Teaching Fellow in Zoology, Kansas State University, 1909-10; Fellow in Biology, Bryn Mawr College, 1910-11; President's European Fellow and Student, Universities of Bonn and Heidelberg and Zoological Station, Naples, 1911-12; Instructor in Zoology, Kansas State University, 1912-13; Demonstrator in Biology, Bryn Mawr College, 1913-14.

MARY WINEARLS PORTER,.....*Geology.*
London, England. Student, University of Oxford, 1908-10; University of Munich, Semester II, 1913. Arranging Geological Museum, Bryn Mawr College, 1913-14.

JESSIE LUNT PREBLE,.....*Philosophy and Psychology.*
Berkeley, Cal. A.B., University of California, 1913.

MARION PRICE,.....*Spanish.*
Whitford, Pa. A.B., Vassar College, 1910. Drexel Institute Library School, 1911. Assistant to the Librarian, Bryn Mawr College, 1912-14.

WINIFRED ROBEY,.....*Graduate Scholar in Mathematics.*
Davidson, Okla. A.B., University of Oklahoma, 1913.

HILDA WORTHINGTON SMITH,.....*History and Psychology.*
New York City. A.B., Bryn Mawr College, 1910, and A.M., 1911. Graduate Student, Bryn Mawr College, 1910-11; New York School of Philanthropy, 1912-13; Warden of Rockefeller Hall, Bryn Mawr College, 1913-14.

LORIE IDA STECHER,.....*Graduate Scholar in Psychology.*
Philadelphia. A.B., Bryn Mawr College, 1912. Graduate Scholar in Psychology, Bryn Mawr College, 1912-13.

LUCI STEVENS,.....*English, History of Art and Classical Archaeology.*
Lawrence, Kans. A.B., University of Kansas, 1911. Teacher in the High School, Minneapolis, Kans., 1912-13.

HELEN REBECCA STEWARD,
Biblical Literature, History, Economics and Education.
Carlinville, Ill. A.B., Blackburn College, 1908. Teacher in Blackburn Academy, 1911-12.

ETHEL THEOBALD,.....*Graduate Scholar in Romance Languages.*
Columbus, O. A.B., Ohio State University, 1911. Graduate Student, Bryn Mawr College, 1911-12; Graduate Student, Ohio State University, 1912-13.

MARGUERITE THIEBAUD,*.....*Scholar in English.*
Connersville, Ind. A.B., Earlham College, 1912.

MIRIAM THOMAS,.....*Education.*
Haverford, Pa. A.B., Bryn Mawr College, 1902, and A.M., 1903. Graduate Foundation Scholar, Bryn Mawr College, 1902-03; Assistant in Latin in the Baldwin School, Bryn Mawr, 1903-06.

EMILY RACHEL VAIL,.....*English Diction.*
Philadelphia. A.B., Bryn Mawr College, 1891. Private Tutor, 1891-96, 1901-03; Teacher in Mrs. E. L. Head's School, Germantown, 1896-98, in the Bennett Memorial School,

London, Ky., 1899-1901; in the Agnes Irwin School, Philadelphia, 1903-04, in the Baldwin School, Bryn Mawr, Pa., 1905-06, in Miss Hills's School, Philadelphia, 1906-13, and in the Stevens School, Germantown, 1903-04, 1910-12.

ANNE GARRETT WALTON, *Semitic Languages*.
Media, Pa. A.B., Bryn Mawr College, 1909. Teacher of Greek in the Friends' Select School, Philadelphia, 1910-14.

CYNTHIA MARIA WESSON, *Graduate Scholar in Biology*.
Boston, Mass. A.B., Bryn Mawr College, 1909. Student in Dr. Sargent's School for Physical Education, Cambridge, Mass., 1910-13.

MARGUERITE WILLCOX, *Graduate Scholar in Chemistry*.
Oxford, N. Y. A.B., Mt. Holyoke College, 1913.

Former Holders of European Fellowships.

BALCH, EMILY GREENE, Prince Street, Jamaica Plain, Mass.
Holder of the Bryn Mawr European Fellowship, 1889-90. A.B., Bryn Mawr College, 1889, group, Greek and Latin. Student in Political Science, Conservatoire des Arts et des Métiers, Paris, and under the direction of Professor Emile Levasseur, 1890-91; University of Chicago, 1895; University of Berlin, 1895-96; Member of Board of Trustees for Children of the City of Boston, 1897-98; Assistant in Economics, Wellesley College, 1896-97, Instructor in Economics, 1897-1903, Associate Professor of Economics and Sociology, 1903-12, and Acting Head of the Department, 1907-13; Professor of Political Economy and Political and Social Science, 1913-14.

BECKER, AMANDA FREDERICKA, 814 Clara Avenue, St. Louis, Mo.
Holder of the President's European Fellowship, 1903-04. B.Sc., Missouri State University, 1901, and A.M., 1902. Holder of Teaching Fellowship, Missouri State University, 1901-02; Graduate Scholar, Bryn Mawr College, 1902-03; Student, University of Göttingen, 1903-04; Teacher of Mathematics in the Yeatman High School, St. Louis, 1904-08, and in the Soldan High School, St. Louis, 1909-11.

Married, 1911, *Mr. William Hardy Montague*.

BILLMEYER, HELEN MAY, 250 Midland Avenue, Montclair, N. J.
Holder of the Bryn Mawr European Fellowship, 1902-03. A.B., Bryn Mawr College, 1902, group, History and Political Science; University of Berlin, 1903-04; Private Tutor, 1910-11; Teacher in the Baldwin School, Bryn Mawr, 1911-14.

BLEY, HELEN MÜLLER, Narberth, Pa.
Holder of the Bryn Mawr European Fellowship, 1910-11. A.B., Bryn Mawr College, 1910, group, Greek and Latin. Student, University of Munich, 1910-12; University of Athens, 1912-13; Private Tutor, 1913-14.

BONTECOU, MARGARET, 150 Highland Avenue, Orange, N. J.
Holder of the Bryn Mawr European Fellowship, 1909-10. A.B., Bryn Mawr College, 1909, group, History and Economics and Politics. Student, Universities of Munich and Oxford, 1910-11; Private Tutor and Settlement Worker, 1911-13; Private Secretary, 1913-14.

BORING, ALICE MIDDLETON, University Inn, Orono, Me.
Holder of the Mary E. Garrett European Fellowship, 1907-08. A.B., Bryn Mawr College, 1904, group, Chemistry and Biology, A.M., 1905, and Ph.D., 1910, subjects, Zoology and Physiology. Graduate Scholar in Biology, and Assistant in the Biological Laboratory, Bryn Mawr College, 1904-05; Moore Fellow in Zoology, University of Pennsylvania 1905-06; Fellow in Biology, Bryn Mawr College, 1906-07; Instructor in Zoology, Vassar College, 1907-08; Student, University of Würzburg, and Zoological Station, Naples, 1908-09; Instructor in Zoology, University of Maine, 1909-11, Assistant Professor, 1911-13, and Associate Professor, 1913-14.

BOURLAND, CAROLINE BROWN, 10 West Street, Northampton, Mass.
Holder of the Mary E. Garrett European Fellowship, 1900-01. A.B., Smith College, 1893; Ph.D., Bryn Mawr College, 1905, subjects, Spanish, Old French, and Italian, Teacher of French and German in Mrs. Starrett's School, Oak Park, Ill., 1895-96, and in the High School, Peoria, 1896-97; Student, Sorbonne and Collège de France,

1897-98; Fellow in Romance Languages, Bryn Mawr College, 1898-99; Graduate Scholar and Fellow by Courtesy in Romance Languages, Bryn Mawr College, 1899-1900, 1901-02; Student in Romance Languages, Madrid, Spain, 1900-01; Instructor in Spanish and French, Smith College, 1902-06, Associate Professor, 1906-13, and Professor, 1913-14.

BREED, MARY BIDWELL, 5317 Westminister Street, Pittsburgh, Pa.

Holder of the Bryn Mawr European Fellowship, 1894-95. A.B., Bryn Mawr College, 1894, group, Chemistry and Biology, A.M., 1895, and Ph.D., 1901, subjects, Chemistry and Mathematics. Graduate Student and Assistant in the Chemical Laboratory, Bryn Mawr College, 1894-95; Student in Chemistry, University of Heidelberg, 1895-96; Professor of Science, Pennsylvania College for Women, 1897-99; Fellow by Courtesy and Graduate Scholar in Mathematics, Physics, and Chemistry, Bryn Mawr College, 1899-1901; Dean of Women and Assistant Professor of Chemistry, Indiana University, 1901-06; Student in Paris and Italy, 1909-10; Adviser of Women, University of Missouri, 1906-12; Associate Head and Teacher of English, St. Timothy's School, Catonsville, and Alumnae Director, Bryn Mawr College, 1912-13; Dean of the Margaret Morrison Carnegie School of the Carnegie Institute of Technology, Pittsburgh, 1913-14.

BROOKS, HARRIET, 990 Queen Mary's Road, Montreal, Canada.

Holder of the President's European Fellowship, 1902-03. A.B., McGill University, 1898, and A.M., 1901. Graduate Student, McGill University, 1898-99; Tutor in Mathematics, and Research Student in Physics, Royal Victoria College, 1899-1901; Fellow in Physics, Bryn Mawr College, 1901-02; Student, University of Cambridge, England, 1902-03; Lecturer in Mathematics, Royal Victoria College of McGill University, Montreal, 1903-04; Tutor in Physics, Barnard College, 1904-06; Research Student, Sorbonne, 1906-07.

Married, 1907, *Mr. Frank H. Pitcher*.

BROWNELL, LOUISE SHEFFIELD, Clinton, N. Y.

Holder of the Bryn Mawr European Fellowship, 1893-94. A.B., Bryn Mawr College, 1893, group, Greek and Latin. Student in Greek and English, University of Oxford, England, and University of Leipsic, 1893-94; Graduate Student in Greek, Columbia College, 1894-95, and Graduate Student in English, 1895-96; Graduate Student in Greek and English, Bryn Mawr College, 1896-97; Warden of Sage College, and Lecturer in English Literature, Cornell University, 1897-1900; Associate Head of the Balliol School, Utica, N. Y., 1900-05; Private Tutor, 1905-14.

Married, 1900, *Mr. Arthur Percy Saunders*.

BRUSSTAR, MARGARET ELIZABETH, . . 708 North 63rd Street, Philadelphia.

Holder of the Mary E. Garrett European Fellowship, 1911-12. A.B., Bryn Mawr College, 1903, group, Latin and Mathematics. Teacher of Latin and Mathematics in Miss Gleim's School, Pittsburgh, Pa., 1903-04; Teacher of Mathematics in the Misses Shipley's School, Bryn Mawr, Pa., 1904-10, 1912-14; Graduate Student, Bryn Mawr College, 1906-07, 1908-09, Graduate Scholar in Mathematics, 1907-08; Fellow in Mathematics, 1910-11; Student, University of Göttingen, 1911-12.

CADY, MARY LOUISE, 48 North Church Street, Decatur, Ga.

Holder of the Mary E. Garrett European Fellowship, 1906-07. A.B. and A.M., Radcliffe College, 1904. Graduate Scholar in Greek, Bryn Mawr College, 1904-05; Fellow in Greek, Bryn Mawr College, 1905-06; Student, University of Berlin, 1906-07; Teacher in the Agnes Scott College, Decatur, Ga., 1907-08, Professor of Greek, 1908-10, and Professor of History, 1910-14.

CAM, NORA, Pauler's Pury Rectory, Towcaster, England.

Holder of the Bryn Mawr European Fellowship, 1912-13. A.B., Bryn Mawr College, 1912, and A.M., 1913. Graduate Scholar in Mathematics, Bryn Mawr College, 1912-13; Student, University of Rome, 1913-14.

CLAFLIN, EDITH FRANCES, 665 Warren Street, Bridgeport, Conn.

Holder of the Mary E. Garrett European Fellowship, 1899-1900. A.B., Radcliffe College, 1897; Ph.D., Bryn Mawr College, 1906, subjects, Greek and Latin. Graduate Scholar in Greek and Latin, Bryn Mawr College, 1897-98, and Graduate Student, 1898-99; Student at the American School of Classical Studies, Athens, 1899-1900; Private Research Work, Harvard University Library, 1900-01; Instructor in Literature in the Prospect Hill School, Greenfield, Mass., 1901-02, and in Classics and Classical History, 1902-07; Instructor in Greek and Latin, and Head of the Classical Department, Monticello Seminary, Godfrey, Ill., 1907-13; Instructor in Latin and the History of Art in the Courtland School, Bridgeport, 1913-14.

COULTER, CORNELIA CATLIN, Ferguson, Mo.

Holder of the President's European Fellowship, 1908-09. A.B., Washington University, 1907; Ph.D., Bryn Mawr College, 1911, subjects, Latin and Greek. Graduate Scholar in Latin, Bryn Mawr College, 1907-08, Fellow in Latin, 1909-10, and Fellow in Greek,

1910-11; Student, University of Munich, 1908-09; Reader in Latin, Bryn Mawr College, 1911-12; Teacher of Latin in St. Agnes School, Albany, N. Y., 1912-14.

ELLIS, ELLEN DEBORAH,

Care of British Post Office, Constantinople College, Constantinople, Turkey.

Holder of the Bryn Mawr European Fellowship, 1901-02. A.B., Bryn Mawr College, 1901, group, History and Political Science, A.M., 1902, and Ph.D., 1905, subjects, Economics and Politics and History. Graduate Student, Bryn Mawr College, 1901-02, 1903-04; Fellow in Economics and Politics, 1904-05; Student, University of Leipsic, 1902-03; Instructor in History, Mt. Holyoke College, 1905-08; Associate Professor and Acting Head of the Department of History, 1908-09; Associate Professor of Pure Economics and Political Science, 1909-11, and Associate Professor of History and Political Science, 1911-14; on leave of absence and Teacher of History in Constantinople College, 1913-14.

EMERY, ANNE CROSBY, 163 George Street, Providence, R. I.

Holder of the Bryn Mawr European Fellowship, 1892-93. A.B., Bryn Mawr College, 1892, group, Greek and Latin, and Ph.D., 1896, subjects, Latin and Greek. Graduate Student, Bryn Mawr College, 1892-93; Student, University of Leipsic, 1893-94; Secretary to the President, and Graduate Student, Bryn Mawr College, Second Semester, 1894-95, and 1895-96; Dean of Women and Assistant Professor of Classical Philology, University of Wisconsin, 1897-1900; Dean of the Women's College in Brown University, 1900-05; Alumnae Member of the Board of Directors of Bryn Mawr College, 1906-09.

Married, 1905, *Professor Francis Greenleaf Allinson.*

FLEISHER, ELEANOR LOUIE, 1715 Spruce Street, Philadelphia.

Holder of the Bryn Mawr European Fellowship, 1903-04. A.B., Bryn Mawr College, 1903, group, English and German. Graduate Student, Bryn Mawr College, 1903-04, 1906-07.

Married, 1908, *Dr. David Riesman.*

FOSTER, FRANCES ALLEN, See page 19.

Holder of the Mary E. Garrett European Fellowship, 1912-13.

GIBBONS, VERNETTE LOIS, See page 20.

Holder of the President's European Fellowship, 1912-13.

GILES, ELLEN ROSE, Died, 1914.

Holder of the President's European Fellowship, 1897-98. A.B. and A.M., Bryn Mawr College, 1896, group, Greek and Semitic Languages. Graduate Scholar in Semitic Languages, Bryn Mawr College, 1896-97, and Graduate Scholar in Philosophy, 1897-98; Student in Philosophy, University of Berlin, 1898-99, and Sorbonne, 1899; Private Tutor, 1899-1901; Editorial and Journalistic Work, 1901-06.

HALL, EDITH HAYWARD, Woodstock, Conn.

Holder of the Mary E. Garrett European Fellowship, 1903-04. A.B., Smith College, 1899; Ph.D., Bryn Mawr College, 1908, subjects, Archaeology and Greek. Teacher of Greek and History in Woodstock Academy, Woodstock, Conn., 1899-1900; Teacher of Latin and Greek in the Misses Shipley's School, Bryn Mawr, Pa., 1900-01 and 1905-09; Graduate Student, Bryn Mawr College, 1900-01, 1905-09, and Graduate Scholar, 1901-03; Holder of the Agnes Hoppin Memorial Fellowship and Student at the American School of Classical Studies, Athens, 1903-05. Instructor in Archaeology, Mount Holyoke College, Second Semester, 1908-09, 1909-11; Member of Expedition of the American School of Classical Studies, Athens, to Eastern Crete, 1910; excavating in Eastern Crete, Second Semester, 1910-11; Assistant Curator, University of Pennsylvania, 1912; Member of Archaeological Expedition to Crete, Second Semester, 1911-12; Assistant Curator, University Museum, Philadelphia, 1912-14.

HAMILTON, EDITH, 1312 Park Avenue, Baltimore, Md.

Holder of the Mary E. Garrett European Fellowship, 1895-96. A.B. and A.M., Bryn Mawr College, 1894, group, Greek and Latin. Fellow in Latin, Bryn Mawr College, 1894-95; Student, Universities of Leipsic and Munich, 1895-96; Head Mistress of the Bryn Mawr School, Baltimore, 1896-1914.

HAMILTON, MARGARET, 1312 Park Avenue, Baltimore, Md.

Holder of the Bryn Mawr European Fellowship, 1897-98. A.B., Bryn Mawr College, 1897, group, Chemistry and Biology. Student, Collège de France and University of Munich, 1898-99; Teacher of Science, Bryn Mawr School, Baltimore, 1900-12, and Head of the Primary Department, 1910-14.

HARDY, CORA, 105 East 19th Street, New York City.

Holder of the Bryn Mawr European Fellowship, 1899-1900. A.B., Bryn Mawr College, 1899, group Latin and French. Student at the Sorbonne, Collège de France and University of Oxford, 1899-1900; Teacher of Greek and English in Ward Seminary,

Nashville, Tenn., and Graduate Student, Vanderbilt University, 1902-03; Teacher of English and Literature in St. Timothy's School, Catonsville, Md., 1903-06.

Married, 1906, *Mr. Edwin Seton Jarrett*.

HARMON, ESTHER, 2139 Glenwood Avenue, Toledo, O.

Holder of the President's European Fellowship, 1907-08; Holder of the Ottendorfer Memorial Research Fellowship in Teutonic Philology, 1909-10. A.B., University of Michigan, 1906. Graduate Scholar in Teutonic Philology, Bryn Mawr College, 1906-07; Student, University of Berlin, 1907-08; Fellow in German, Bryn Mawr College, 1908-09; Student, University of Munich, 1909-10; Teacher in the High School, Toledo, 1910-12; Instructor in German, Normal College of New York, 1912-14.

HARRISON, JANE ANNETTA, La Plata, Mo.

Holder of the Ottendorfer Memorial Research Fellowship in Teutonic Philology, 1910-11, A.B. and B.S., University of Missouri, 1906, and A.M., 1907. Graduate Student, University of Missouri, 1906-07, 1908-09; Fellow in German, Bryn Mawr College, 1909-10; University of Berlin, 1910-11; Teacher in the High School, St. Charles, Mo., 1911-13; Graduate Scholar and Fellow by Courtesy in German, Bryn Mawr College, 1913-14.

HILL, VIRGINIA GREER, 409 North 36th Street, Philadelphia.

Holder of the Bryn Mawr European Fellowship, 1907-08. A.B., Bryn Mawr College, 1907, group, Latin and Mathematics. Student, University of Zürich, 1907-08; Teacher of Latin and Mathematics in the Agnes Irwin School, Philadelphia, 1908-14.

KING, HELEN MAXWELL, See page 17.

Holder of the Mary E. Garrett European Fellowship, 1910-11.

LAIRD, ELIZABETH REBECCA, . . Mt. Holyoke College, South Hadley, Mass.

Holder of the President's European Fellowship, 1898-99. A.B., University of Toronto, 1896; Ph.D., Bryn Mawr College, 1901, subjects, Physics and Mathematics. Teacher in Ontario Ladies' College, 1896-97; Fellow in Physics, Bryn Mawr College, 1897-98; Student, University of Berlin, 1898-99; Graduate Scholar and Fellow by Courtesy in Mathematics and Physics, Bryn Mawr College, 1900-01; Instructor in Physics, Mount Holyoke College, 1901-03, Acting Head of the Department of Physics, 1903-04, and Professor of Physics, 1904-14; on leave of absence, Sara Berliner Research Fellow and Student, University of Würzburg, 1913-14.

LANGENBECK, CLARA, 803 North Eutaw Street, Baltimore, Md.

Holder of the President's European Fellowship, 1896-97. Ph.G., Cincinnati College of Pharmacy, 1890; S.B., University of Cincinnati, 1895. Fellow in Biology, Bryn Mawr College, 1895-96; Student, University of Marburg, 1896-98; Professor of Biology, Wells College, 1898-1901; Instructor in the Cincinnati College Preparatory School for Girls, 1901-11; Fellow by Courtesy and Graduate Scholar in Biology, Bryn Mawr College, 1911-12; Student, Johns Hopkins Medical School, 1912-14.

LEFTWICH, FLORENCE, Biltmore, N. C.

Holder of the Bryn Mawr European Fellowship, 1895-96. Wellesley College, 1884-85. A.B., Bryn Mawr College, 1895, group, French and Latin, and Ph.D., 1906, subjects, Old French, Latin, and Spanish. Student, Sorbonne and Collège de France, 1895-96; Mistress of Modern Languages, Mississippi Industrial Institute and College, Columbus, Miss., 1896-98; Fellow by Courtesy in Romance Languages, Bryn Mawr College, 1898-99; Holder of the European Fellowship of the Baltimore Association for the Promotion of the University Education of Women, and Student, University of Zürich, 1899-1900; Teacher of French in the Bryn Mawr School, Baltimore, Md., 1900-01; Graduate Student, Bryn Mawr College, 1902; Fellow in Romance Languages, Bryn Mawr College, 1902-03.

Married, 1903, *Mr. S. Prioleau Ravenel*.

LEWIS, FLORENCE PARTHENIA, . . 2435 N. Charles Street, Baltimore, Md.

Holder of the President's European Fellowship, 1899-1900. A.B., University of Texas, 1897, and A.M., 1898; A.M., Radcliffe College, 1906; Ph.D., Johns Hopkins University, 1913. Fellow in Philosophy, Bryn Mawr College, 1898-99; Student, Sorbonne and Collège de France, 1899-1900; Teacher in the University Preparatory School, Austin, Tex., 1900-02; Student, University of Texas, 1901-03; Tutor in Mathematics, University of Texas, 1902-05; Fellow of the Baltimore Association for the Promotion of the University Education of Women and Graduate Student, Johns Hopkins University, 1907-09; Instructor in Mathematics, Goucher College, 1910-11, Assistant Professor of Mathematics, 1911-13, and Associate Professor of Mathematics, 1913-14; Fellow by Courtesy, Johns Hopkins University, 1912-13.

LEWIS, MAYONE, 4324 Pine Street, Philadelphia.

Holder of the Bryn Mawr European Fellowship, 1908-09. A.B., Bryn Mawr College, 1908, group, Greek and Latin. Student, Universities of Munich and Paris, 1908-09; Teacher of English, Rosemary Hall, Greenwich, Conn., 1909-14.

LOWENGRUND, HELEN MOSS, 1827 North 18th Street, Philadelphia.

Holder of the Bryn Mawr European Fellowship, 1906-07. A.B., Bryn Mawr College, 1906, group, Latin and English, and A.M., 1907. Graduate Scholar in Latin, Bryn Mawr College, 1906-07; Graduate Scholar in English, 1907-08, and Graduate Student in English, 1909-10; Teacher of History in the Girls' High School, Philadelphia, 1909-10, and of English, 1911-14; Research Student in British Museum, 1910-11.

MADDISON, ISABEL, 217 Roberts Road, Bryn Mawr, Pa.

Holder of the Mary E. Garrett European Fellowship, 1894-95. University College of South Wales and Monmouthshire, 1885-89; Girton College, University of Cambridge, England, 1889-92; Mathematical Tripos, First Class, 1892; Oxford Mathematical Final Honour School, 1892; B.Sc., University of London, Mathematical Honours, 1893; Ph.D., Bryn Mawr College, 1896, subjects, Mathematics, Applied Mathematics and Physics; A.B., Trinity College, Dublin, 1905. Graduate Student in Mathematics, Bryn Mawr College, 1892-93, and Fellow in Mathematics, 1893-94; Student in Mathematics, University of Göttingen, 1894-95; Assistant Secretary to the President, Bryn Mawr College, 1895-96; Secretary to the President, and Reader in Mathematics, 1896-1904; Assistant to the President and Reader in Mathematics, 1904-06, and Assistant to the President and Associate in Mathematics, 1906-10; Recording Dean and Assistant to the President, 1910-14.

MARTIN, EMILIE NORTON, Mt. Holyoke College, South Hadley, Mass.

Holder of the Mary E. Garrett European Fellowship, 1897-98. A.B., Bryn Mawr College, 1894, group, Latin and Mathematics, and Ph.D., 1901, subjects, Mathematics and Physics. Graduate Student, Bryn Mawr College, First Semester, 1894-95, 1896-97, 1901-02, 1906-07; Teacher of Latin in the Bryn Mawr School, Baltimore, Md., January-June, 1895; Fellow in Mathematics, Bryn Mawr College, 1895-96; Student, University of Göttingen, 1897-98; Fellow by Courtesy in Mathematics, Bryn Mawr College, 1898-99; Teacher of Mathematics in the Misses Kirk's School, Rosemont, Pa., 1899-1900; Private Tutor, 1899-1903; Instructor in Mathematics, Mt. Holyoke College, 1903-04, First Semester, 1904-05, 1907-11, and Associate Professor of Mathematics, 1911-14.

MORSE, KATE NILES, 24 Park Street, Haverhill, Mass.

Holder of the Mary E. Garrett European Fellowship, 1901-02. A.B., Mt. Holyoke College, 1898, and A.M., 1900. Graduate Student, Bryn Mawr College, 1898-99; Fellow in Greek, Bryn Mawr College, 1900-01; Universities of Berlin and Munich, and American School of Classical Studies, Athens, 1901-02; Graduate Student, Radcliffe College, 1903, 1906-07.

NICHOLS, HELEN HAWLEY, Pomeroy Hall, Wellesley, Mass.

Holder of the Mary E. Garrett European Fellowship, 1908-09. A.B., Marietta College, 1906; Ph.D., Bryn Mawr College, 1911, subjects, Hebrew, Aramaic and New Testament Greek. Graduate Student, Bryn Mawr College, 1906-07, and Graduate Scholar in Semitic Languages, 1907-08, 1909-10; Student, University of Oxford, 1908-09; Instructor in Biblical History, Wellesley College, 1911-14.

NOWLIN, NADINE, 1144 Louisiana Street, Lawrence, Kan.

Holder of the President's European Fellowship, 1906-07. A.B. and A.M., University of Kansas, 1903. Fellow in Biology, Bryn Mawr College, 1905-06; Demonstrator in Biology, University of Kansas, 1906-08; Graduate Student, University of Munich, 1908-09; Zoological Station, Naples, 1909; Instructor in Zoology, University of Kansas, 1910-13, and Assistant Professor of Zoology, 1913-14.

PARK, MARION EDWARDS, See page 21.

Holder of the Bryn Mawr European Fellowship, 1898-99.

PARRIS, MARION, Low Buildings, Bryn Mawr, Pa.

Holder of Bryn Mawr College Research Fellowship, 1906-07. A.B., Bryn Mawr College, 1901, group, History and Political Science, and Ph.D., 1909, subjects, Economics and Politics and Philosophy. Private Tutor, 1901-02; Warden of Summit Grove, Bryn Mawr College, 1902-04, and of Rockefeller Hall, 1904-05; Graduate Student, Bryn Mawr College, 1902-05; Fellow in Economics, Bryn Mawr College, 1905-06; Student, University of Vienna, 1906-07; Reader in Economics and Politics, Bryn Mawr College, 1907-08, Associate in Economics and Politics, 1908-11, and Associate Professor, 1911-14; Chairman of Executive Committee of Bureau of Occupations for Trained Women, Philadelphia, 1912.

Married, 1912, *Professor William Roy Smith*.

PEEBLES, FLORENCE, 815 Old Lancaster Road, Bryn Mawr, Pa.

Holder of the Mary E. Garrett European Fellowship, 1898-99. A.B., Woman's College of Baltimore, 1895, and Ph.D., Bryn Mawr College, 1900, subjects, Morphology and Physiology. Graduate Scholar in Biology, Bryn Mawr College, 1895-96; Fellow in Biology, 1896-97, and Graduate Student, 1897-98, 1903-04, 1906-11; Scholar of the

Woman's Table and Student in Biology, Zoological Station, Naples, Universities of Munich and Halle, 1898-99; Instructor in Biology, Woman's College of Baltimore, 1899-1902, and Associate Professor of Biology, 1902-06; Student, University of Bonn, Summer, 1906; Teacher of Science in Miss Wright's School, Bryn Mawr, 1906-11; Holder of American Woman's Table in Zoological Station, Naples, Spring, 1907; Assistant Demonstrator in Biology, Bryn Mawr College, 1907-10, and Private Tutor, 1907-12; Fellow of the Association of Collegiate Alumnae, Boston Branch, and Student and Research Worker, Germany and France, 1912-13; Lecturer in Biology, Bryn Mawr College, 1913.

PERKINS, ELIZABETH MARY, 2429 Green Street, San Francisco, Cal.

Holder of the Bryn Mawr European Fellowship, 1900-01. A.B., Bryn Mawr College, 1900, group, Greek and Latin, and Ph.D., 1904, subjects, Latin and Greek. Graduate Student, Bryn Mawr College, 1900-01; Student, Universities of Berlin and Munich, 1901-02; Fellow in Latin, Bryn Mawr College, 1902-03; Teacher of Latin and German in the Western High School, Washington, 1903-04, of Latin, 1904-05, and of Greek and Latin, 1905-06; Instructor in Latin, Vassar College, 1906-07; Graduate Student, Columbia University, 1907-08; Tutor in Latin, High School Department, Normal College, New York City, 1907-09; on leave of absence, 1909-10.

Married, 1910, *Mr. Eric Charles William Scheel Lyders*.

PINNEY, MARY EDITH, See page 21.

Holder of President's European Fellowship, 1911-12.

RAGSDALE, VIRGINIA, Jamestown, N. C.

Holder of the Bryn Mawr European Fellowship, 1896-97. S.B., Guilford College, 1892. Graduate Scholar in Mathematics, Bryn Mawr College, 1892-93, and Graduate Student, Bryn Mawr College, 1893-97. A.B., Bryn Mawr College, 1896; Ph.D., 1906. Assistant Demonstrator in Physics, Bryn Mawr College, 1896-97; Student, University of Göttingen, 1897-98; Teacher of Science and Mathematics in the Bryn Mawr School, Baltimore, Md., 1898-1900, and Assistant Teacher of Mathematics, 1900-01; Holder of Fellowship of the Baltimore Association for the Promotion of the University Education of Women, Graduate Scholar, and Fellow by Courtesy in Mathematics, Bryn Mawr College, 1901-02; Fellow in Mathematics, Bryn Mawr College, 1902-03; Teacher of Mathematics in Dr. J. Sachs's School for Girls, New York City, 1903-05; Teacher of Mathematics in the Baldwin School, Bryn Mawr, Pa., 1906-11, Reader in Mathematics, Bryn Mawr College, 1908-10, and Fellow by Courtesy, 1910-11; Associate in Mathematics, North Carolina State Normal and Industrial College, 1912-14.

REIMER, MARIE, 420 West 118th Street, New York City.

Holder of the Mary E. Garrett European Fellowship, 1902-03. A.B., Vassar College, 1897, and Ph.D., Bryn Mawr College, 1903, subjects, Chemistry and Physiology. Graduate Scholar in Chemistry, Vassar College, 1897-98; Assistant in the Chemical Laboratory, Vassar College, 1898-99; Fellow in Chemistry, Bryn Mawr College, 1899-1900, 1901-02; Graduate Scholar and Fellow by Courtesy in Chemistry, Bryn Mawr College, 1900-01; Student, University of Berlin, 1902-03; Lecturer in Chemistry, Barnard College, 1903-04, Instructor in Chemistry, 1904-09; Adjunct Professor of Chemistry, 1909-10, and Associate Professor, 1910-14.

ROE, ADAH BLANCHE, See page 17.

Holder of Ottendorfer Memorial Research Fellowship in Teutonic Philology, 1911-12.

SAMPSON, LILIAN VAUGHAN, 409 West 117th Street, New York City.

Holder of the Bryn Mawr European Fellowship, 1891-92. A.B., Bryn Mawr College, 1891, group, Mathematics and Physics, and A.M., 1894. Student, University of Zürich, 1892-93; Graduate Student, Bryn Mawr College, 1891-92, and 1893-99; Research Work in Biology, 1904-06.

Married, 1904, *Professor Thomas Hunt Morgan*.

SANDISON, HELEN ESTABROOK, Vassar College, Poughkeepsie, N. Y.

Holder of Special European Fellowship, 1909-10. A.B., Bryn Mawr College, 1906; A.M., 1907, and Ph.D., 1913. Graduate Scholar, Bryn Mawr College, 1906-07, 1910-11; Assistant Principal of the High School, Brookville, Ind., 1907-08; Fellow in English, Bryn Mawr College, 1908-09; Student, University of Oxford, 1909-10; Reader in English, Bryn Mawr College, 1911-13; Instructor in English, Vassar College, 1913-14.

SCHAEFFER, HELEN ELIZABETH, Died; 1913.

Holder of the Mary E. Garrett European Fellowship, 1905-06. A.B., Dickinson College, 1903, and A.M., 1905; Ph.D., Bryn Mawr College, 1908. Graduate Scholar in Mathematics, Bryn Mawr College, 1903-04, and Graduate Student in Physics, 1907-08, 1909-11; Fellow in Physics, Bryn Mawr College, 1904-05; Student, University of Göttingen, 1905-06; Demonstrator in Physics, Bryn Mawr College, 1906-07; Teacher in the Baldwin School, Bryn Mawr, 1907-08, 1911-12; Reader in Mathematics, Bryn Mawr College, Second Semester, 1909-10, 1911-12.

Married, 1908, *Dr. William Bashford Huff*.

SCHENCK, EUNICE MORGAN, Low Buildings, Bryn Mawr, Pa.

Holder of the President's European Fellowship, 1910-11. A.B., Bryn Mawr College, 1907. Graduate Student, Bryn Mawr College, 1909, Graduate Scholar, 1910-11, and Fellow in Romance Languages, 1912-13; Student at the Sorbonne, Collège de France, and in Madrid, 1910-12; Reader in French, Bryn Mawr College, and Teacher of French in the Phebe Anna Thorne Model School, 1913-14.

SCHMIDT, GERTRUD CHARLOTTE, Bryn Mawr, Pa.

Holder of the President's European Fellowship, 1904-05. B.L., University of Wisconsin, 1900; A.M., Radcliffe College, 1903; Ph.D., Bryn Mawr College, 1913, subjects, Teutonic Philology, German Literature and Sanskrit. Graduate Student, Radcliffe College, 1900-01, 1902-03; Assistant in German, Smith College, 1901-02; Graduate Student, Bryn Mawr College, 1903-05, 1906-09; Teacher of German in Miss Wright's School, Bryn Mawr, Pa., 1903-05, 1906-14; Student, University of Leipsic, 1905-06, University of Grenoble, Summer, 1905.

SHEARER, EDNA ASTON, 35 Summit Grove Avenue, Bryn Mawr, Pa.

Holder of the President's European Fellowship, 1905-06. A.B., Bryn Mawr College, 1904, group, English and Philosophy. Junior Fellow in Philosophy, Bryn Mawr College, 1904-05; Student, Universities of Edinburgh and Aberdeen, 1905-06; Fellow in Philosophy, Bryn Mawr College, 1906-07; Teacher of English in the Baldwin School, Bryn Mawr, Pa., 1907-10, and Graduate Student, Bryn Mawr College, 1907-08, 1909-10; Reader in English, Bryn Mawr College, 1910-14.

SHIELDS, EMILY LEDYARD, 311 Dolphin Street, Baltimore, Md.

Holder of the Bryn Mawr European Fellowship, 1905-06. A.B., Bryn Mawr College, 1905, group, Greek and Mathematics, and A.M., 1906. Graduate Student, Bryn Mawr College, 1905-06; Recording Secretary and Appointment Secretary, Bryn Mawr College, 1906-07; Student, University of Oxford, and University of Berlin, 1907-08; Teacher of Greek and Mathematics in the Bryn Mawr School, Baltimore, Md., 1908-12, and of Mathematics in the Baldwin School, Bryn Mawr, Pa., 1912-13; Graduate Student, Johns Hopkins University, 1913-14.

SHIPLEY, KATHARINE MORRIS, Bryn Mawr, Pa.

Holder of the Bryn Mawr European Fellowship, 1890-91. A.B., Bryn Mawr College, 1890, group, Latin and English. Student in Latin and English, University of Leipsic, 1890-91; Sorbonne and Collège de France, 1891-92; Newnham College, University of Cambridge, England, May Term, 1892; Associate Principal and Supervisor of English in the Misses Shipley's School; Bryn Mawr, Pa., 1894-1913, and Principal, 1913-14.

STEVENS, NETTIE MARIA, Died, 1912.

Holder of the President's European Fellowship, 1901-02. A.B., Leland Stanford, Jr., University, 1899, and A.M., 1900; Ph.D., Bryn Mawr College, 1903, subjects, Morphology and Physiology. Student, Hopkins Seaside Laboratory, Pacific Grove, Cal., summers, 1897, 1898, and 1899; Graduate Scholar in Biology, Bryn Mawr College, 1900-01; Zoological Station, Naples, 1901-02; University of Wurzburg, 1902, 1908-09; Fellow in Biology, Bryn Mawr College, 1902-03; Research Fellow in Biology, First Semester, 1903-04; Reader in Experimental Morphology, 1904-05, and Associate in Experimental Morphology, 1905-12; Carnegie Research Assistant, 1904-06; Alice Freeman Palmer Research Fellow, on leave of absence, 1908-09.

STITES, SARA HENRY, Simmons College, Boston, Mass.

Holder of the President's European Fellowship, 1900-01. A.B., Bryn Mawr College, 1899, group, History and Political Science, A.M., 1900, and Ph.D., 1905, subjects, Economics and Politics and History. Graduate Scholar in History and Political Science, Bryn Mawr College, 1899-1900; Student at the Sorbonne and Collège de France, 1900-01; University of Leipsic, 1901-02; Graduate Scholar and Fellow by Courtesy in Political Science, Bryn Mawr College, 1902-04; Co-Principal of the Wilkes Barre Institute, Wilkes Barre, Pa., 1904-12; Instructor in Economics, Simmons College, 1912-14.

STODDARD, YVONNE, 197 Beacon Street, Boston, Mass.

Holder of the Bryn Mawr European Fellowship, 1913-14; A.B., Bryn Mawr College, 1913.

SWINDLER, MARY HAMILTON, Low Buildings, Bryn Mawr, Pa.

Holder of the Mary E. Garrett European Fellowship, 1909-10. A.B., University of Indiana, 1905, and A.M., 1906. Graduate Scholar in Greek, Bryn Mawr College, 1906-07, and Fellow in Greek, 1907-09; Student, University of Berlin, and American School of Classical Studies, Athens, 1909-10; Teacher of Latin in the Misses Shipley's School, Bryn Mawr, Pa., 1910-11; and in Miss Wright's School, Bryn Mawr, 1911-12; Acting Dean of Women, University of Indiana, Summer 1911, 1913; Reader in Latin, Bryn Mawr College, 1911-13; Demonstrator in Archæology, 1912-13; and Reader in Latin and Reader and Demonstrator in Classical Archæology, 1913-14.

TRAVER, HOPE, 26 Oakland Terrace, Hartford, Conn.

Holder of the Mary E. Garrett European Fellowship, 1904-05. A.B., Vassar College, 1896; Ph.D., Bryn Mawr College, 1907, subjects, English and History. Graduate

Student, Bryn Mawr College, and Private Tutor, Whitford, Pa., 1901-02; Graduate Scholar, Bryn Mawr College, and Teacher of English in Miss Wright's School, Bryn Mawr, Pa., 1902-03; Fellow in English, Bryn Mawr College, 1903-04; Student, University of Munich, 1904-05, and First Semester, 1905-06; Graduate Scholar and Fellow by Courtesy, Bryn Mawr College, Second Semester, 1905-06; Teacher of English in Huntington Hall, Los Angeles, Cal., 1906-09; Teacher of English Literature, Mills College, California, 1909-11, and Professor of English, 1911-14.

TREDWAY, HELEN, 45 Fenelon Place, Dubuque, Ia.

Holder of the Bryn Mawr European Fellowship, 1911-12. A.B., Bryn Mawr College, 1911, group, Physics and Chemistry, and A.M., 1912. Graduate Scholar in Chemistry, Bryn Mawr College, 1911-12; Student of Chemistry, University of Göttingen, 1912-13; Fellow in Chemistry, University of Chicago, 1913-14.

WADE, CLARA LOUISE WHIPPLE, 646 Park Avenue, New York City.

Holder of the Bryn Mawr European Fellowship, 1904-05. A.B., Bryn Mawr College, 1904, group, Greek and Latin. Scholar in Latin, Bryn Mawr College, and Private Tutor, 1904-05; Student, University of Munich, 1905-06; Graduate Student, Bryn Mawr College, and Private Tutor, 1906-09; Teacher of Latin and German in the Misses Shipley's School, Bryn Mawr, Pa., 1907-10; Teacher of Latin and Greek in Miss Knox's School, Briarcliff Manor, N. Y., 1910-11, and in the Charlton School, New York City, 1911-14.

WARREN, WINIFRED, 805 Comstock Avenue, Syracuse, N. Y.

Holder of the Mary E. Garrett European Fellowship, 1896-97. A.B., Boston University, 1891, and A.M., 1894; Ph.D., Bryn Mawr College, 1898, subjects, Greek and Latin. Fellow in Latin, Bryn Mawr College, 1893-94, and Fellow by Courtesy in Latin, 1894-96; Student in Classical Philology, Universities of Munich and Berlin, 1896-97; Instructor in Latin, Vassar College, 1897-1902.

Married, 1902, *Mr. George Arthur Wilson.*

WEUSTHOFF, ANNA SOPHIE, 916 Avenue D, Bayonne, N. J.

Holder of Special Ottendorfer Memorial Research Fellowship in Teutonic Philology, 1907-08. Holder of Ottendorfer Memorial Research Fellowship in Teutonic Philology, 1908-09. A.B., Woman's College of Baltimore, 1906. Graduate Scholar in Teutonic Philology, Bryn Mawr College, 1906-07; Student, University of Berlin, 1907-09; Alumnae Fellow of Goucher College and Graduate Student of Bryn Mawr College, 1909-10; Teacher of German in the Misses Shipley's School, Bryn Mawr, Pa., 1910-14.

Former Resident Fellows.

ALBERT, GRACE, The College Inn, Bryn Mawr, Pa.

Fellow in History, 1903-04. A.B., Bryn Mawr College, 1897, group, Greek and Latin, and A.M., 1903. Private Tutor, 1897-99; Teacher of Latin in the Misses Shipley's School, Bryn Mawr, Pa., 1899-1901, of History, 1905-06, and Secretary, 1901-02; Graduate Student, Bryn Mawr College, 1901-02, and 1904-08; Graduate Scholar in History and Economics and Politics, 1902-03; Fellow in History and Student, University of London, engaged in research work in the Public Records Office, London, and in the University of Oxford, 1903-04; Head of Department of History in the Misses Shipley's School, Bryn Mawr, 1906-14.

ATKINSON, MABEL, 28 Colville Square, Bayswater W., London, England.

Fellow in Economics and Politics, 1902-03. A.M., Glasgow University, 1900. Holder of Research Studentship, London School of Economics, 1900-02; Classical Mistress, High School, Newcastle, England, 1903-04; Lecturer in Philosophy and Assistant to the Professor of Classics, Armstrong College, University of Durham, 1904-08; Member of the Board of Faculties, University of Durham, 1905-07; Honorary Secretary, Settlement Association, Newcastle-on-Tyne, 1906-07; Lecturer in Economics, King's College, London, 1908-13, and Lecturer in Economics to the Woman's Educational Association, London, 1910-13; Member of Boards of Studies in Economics and Sociology, London University, 1912-14.

AVEN, ANNA WARD, 401 East Market Street, Greenwood, Miss.

Fellow in Latin, 1908-09. A.B., Mississippi College, 1905. Graduate Student in Greek and Latin, Bryn Mawr College, 1906-07, and Graduate Scholar in Latin, 1907-08. Instructor in Latin, Hillman College, Clinton, Miss., 1905-06; Head of Normal Department, Mississippi State College for Women, 1909-10.

Married, 1910, *Mr. William Madison Whittington.*

BAKER, MABEL WHITMAN, 3100 Newark Street, Washington, D. C.
Fellow in Latin, 1896-97. Columbian University, 1893-95; Teacher in Norwood Institute,
Washington, 1895-96; Teacher of Latin in the Western High School, Washington,
1897-1903.

Married, 1903, *Mr. Alfred Hulse Brooks*.

BANCROFT, JANE M., 425 Cass Avenue, Detroit, Mich.
Fellow in History, 1885-86. Ph.B., Syracuse University, 1877, Ph.M., 1880, and Ph.D.,
1884. Dean of Woman's College and Professor of French Language and Literature,
Northwestern University, 1877-85; University of Zürich, 1886-87; Sorbonne and
Collège de France, 1888.

Married, 1891, *Mr. George O. Robinson*.

BARTLETT, HELEN,

Care of American Express Co., 11 rue Scribe, Paris, France.

Fellow in English, 1893-94. Newnham College, University of Cambridge, England, 1889;
studied in Berlin, 1882-84, and 1890. A.B., Bryn Mawr College, 1892, group, English
and German, A.M., 1893, and Ph.D., 1896, subjects, English and German. Graduate
Student, Bryn Mawr College, 1892-93, 1894-95; Holder of the American Fellowship
of the Association of Collegiate Alumnae, 1894-95; Instructor in German and French
in the Portland Academy, Portland, Ore., 1896-97; Dean of Women, Head of the Modern
Language Department and Assistant Professor of German in the Bradley Polytechnic
Institute, Peoria, Ill., 1897-1904, Dean of Women, Head of the Modern Language
Department, and Professor of German, 1904-11; Student, University of Berlin, 1905;
Travelling in Europe, 1907-10, 1913-14, and in California and New Mexico, 1910-11.

DE BEAUREGARD, ESTHER TONTANT, 117 Collier Street, Toronto, Canada.

Fellow in Romance Languages, 1894-95. A.B., University of Toronto, 1894; Ontario
Normal College, 1895-96; Teacher of Modern Languages, Niagara Falls Collegiate
Institute, 1896-1900; Graduate Student in English, University of Pennsylvania, 1900-
01; Teacher of English and French in Mrs. Chapman and Miss Jones's School, Chestnut
Hill, Philadelphia, 1904-05.

Married, 1905, *Mr. Percy James Robinson*.

BECKWITH, MINNIE ADA, 30 Home Street, New London, Conn.

Fellow in Latin, 1903-04. A.B., University of Chicago, 1902. Graduate Scholar, Univer-
sity of Chicago, 1902-03; Graduate Student, Bryn Mawr College, 1907-08; Teacher of
Latin and Greek in the Baldwin School, Bryn Mawr, Pa., 1904-12, and Head of Latin
Department, 1912-14.

BENNESON, CORA AGNES, 3 Phillips Place, Cambridge, Mass.

Fellow in History, 1887-88. A.B., University of Michigan, 1878, LL.B., 1880, and A.M.,
1883. Graduate Student, Radcliffe College, 1897-1902; Attorney and Counsellor-at-
Law, Cambridge, 1894-1914; Special Commissioner in Massachusetts, 1895-1914.

BLAKE, SUE AVIS, Merion Station, Pa.

Fellow in Physics, 1906-07. A.B., Bryn Mawr College, 1898, group, Mathematics and
Physics, and A.M., 1900. Demonstrator and Graduate Student in Physics, Bryn Mawr
College, 1898-99, 1904-06; Graduate Student, Bryn Mawr College, and Teacher of
Mathematics and Science in the Misses Shipley's School, Bryn Mawr, Pa., 1899-1900;
Assistant in Physics, Smith College, 1900-02, 1903-04; Fellow in Physics, University
of Pennsylvania, 1907-08; Private Tutor, 1909-10; Instructor in Physics, Smith College,
1910-14.

BLANCHARD, ELIZABETH MILLER, Bellefonte, Pa.

Fellow in Mathematics, 1889-90. A.B., Bryn Mawr College, 1889, group, Greek and
Mathematics. Teacher of Mathematics in the Bryn Mawr School, Baltimore, Md.,
1891-92; Teacher of Mathematics in the Misses Shipley's School, Bryn Mawr, Pa.,
1895-1908, and in Miss Irwin's School, Philadelphia, 1896-1908; Graduate Student,
Bryn Mawr College, 1902-03; Assistant Manager of the Bellefonte Basket Shop, 1908-14.

BORING, ALICE MIDDLETON, See page 22.

Fellow in Biology, 1906-07.

BOURLAND, CAROLINE BROWN, See page 23.

Fellow in Romance Languages, 1898-99.

BOWERMAN, HELEN COX, Point Pleasant, N. J.

Fellow in Archaeology, 1909-11. A.B., Mount Holyoke College, 1901; A.M., University
of Rochester, 1903, and Ph.D., Bryn Mawr College, 1913. Teacher of English and
Latin in the High School, Macedon, N. Y., 1903-05; Instructor in Latin, Western
College for Women, Oxford, O., 1905-07; Associate Professor of Latin, 1907-08; Grad-

- uate Scholar in Archæology, Bryn Mawr College, 1908-09; Fellow by Courtesy, 1911-12; University of Bonn, Summer, 1910; American School of Classical Studies, Rome, 1910-11; Holder of '86 Fellowship of Mt. Holyoke College, and Fellow by Courtesy, Bryn Mawr College, 1911-12; Instructor in Latin and Greek, Wilson College, 1912-14.
- BRAMHALL, EDITH CLEMENTINE**, Rockford College, Rockford, Ill.
Fellow in History, 1898-99. A.B., University of Indiana, 1895; A.M., University of Pennsylvania, 1896, and Ph.D., 1898; Teacher of History in the Manual Training High School, Indianapolis, Ind., 1899-1900; Instructor in History and Economics, Rockford College, 1900-02, and Professor, 1902-14.
- BROMBACHER, CAROLINE GARNAR**,
177 Woodruff Avenue, Brooklyn, New York City.
Fellow in Greek, 1896-97. A.B., Barnard College, 1895. Assistant Teacher of Mathematics and Latin in the Erasmus Hall High School, Brooklyn, 1897-99, of Mathematics and Greek, 1899-1901, and of Greek, 1901-06; Graduate Student, Columbia University, 1903-04.
Married, 1906, *Mr. Sidney G. Stacey*.
- BROOKS, HARRIET**, See page 23.
Fellow in Physics, 1901-02.
- BROWNELL, JANE LOUISE**, Bryn Mawr, Pa.
Fellow in Political Science, 1893-94. A.B., Bryn Mawr College, 1893, group, History and Political Science, and A.M., 1894. Teacher of Mathematics in the Bryn Mawr School, Baltimore, Md., 1894-1902, and Associate Mistress, 1897-1902; Associate Principal of Miss Florence Baldwin's School, Bryn Mawr, 1902-06; Head of the Baldwin School, Bryn Mawr, 1906-14.
- BRUSSTAR, MARGARET ELIZABETH**, See page 23.
Fellow in Mathematics, 1910-11.
- BURNLEY, MARY CLOYD**, 1029 Grove Street, Evanston, Ill.
Fellow in Chemistry, 1897-98. A.B., Woman's College of Baltimore, 1897, and A.M., 1899. Assistant in Chemistry, Vassar College, 1898-1900, and Instructor in Chemistry, 1900-1908; Research Fellow in Chemistry, Bryn Mawr College, 1908-09.
Married, 1909, *The Rev. James Madison Stifler*.
- BYRNES, ESTHER FUSSELL**,
193 Jefferson Avenue, Brooklyn, New York City.
Fellow in Biology, 1894-95. A.B., Bryn Mawr College, 1891, group, Chemistry and Biology, A.M., 1894, and Ph.D., 1898, subjects, Morphology and Physiology. Assistant in Biological Laboratory, Vassar College, 1891-93; Graduate Scholar in Biology, Bryn Mawr College, 1893-94, and Graduate Student in Biology, 1895-97; Teacher of Physiology and Zoology in the Girls' High School, Brooklyn, New York City, 1897-1913; Fellow of the New York Academy of Science; Chairman of the Section of Biology of the New York State Science Teachers' Association, 1906.
- CADY, MARY LOUISE**, See page 23.
Fellow in Greek, 1905-06.
- CALDERHEAD, IRIS GALLANT**, Marysville, Kan.
Fellow in English, 1912-13. A.B., Kansas University, 1910. Graduate Scholar in English, Bryn Mawr College, 1910-11; Teacher in the High School, Dayton, Wash., 1911-12; Teacher of English and Science, Marysville, 1913-14.
- CAM, HELEN MAUD**, Paulers Pury Rectory, Towcester, England.
Fellow in History, 1908-09. B.A., University of London, 1908, and M.A., 1909. Royal Holloway College, 1904-07. Assistant Mistress, Cheltenham Ladies' College, 1909-12; Assistant Lecturer in History, Royal Holloway College, 1912-14.
- CHAMBERLAIN, ETHEL MARY**, 89 Migeon Avenue, Torrington, Conn.
Fellow in Philosophy, 1908-09. A.B., Lombard College, 1906; Ph.D., University of Chicago, 1911. Graduate Student, University of Chicago, 1906-08, 1910-11, and Fellow in Psychology, 1909-10.
Married, 1911, *Mr. Gail Quincy Porter*.
- CLARK, MABEL PARKER**, 145 West 78th Street, New York City.
Fellow in English, 1889-90. A.B., Bryn Mawr College, 1889, group, Greek and English, and A.M., 1890. Reader in English, and Graduate Student, 1890-93; Graduate Student, Barnard College, 1893-94.
Married, 1894, *Dr. John Henry Huddleston*.

CLARKE, MARY PATTERSON, 721 Illinois Street, Lawrence, Kan.
Fellow in History, 1906-07. A.B., University of Kansas, 1903, and A.M., 1905.
Graduate Student, University of Kansas, 1904-05, and Fellow in History, 1905-06;
Principal and Teacher of History in the High School, Cartersville, Mo., 1907-08; Teacher
of History in the High School, Perry, Okla., 1910-12.

CLOUGH, IDA PRESCOTT, 37 Cedar Street, Somerville, Mass.
Fellow in Latin, 1900-01. A.B., Radcliffe College, 1896, and A.M., 1900. Graduate
Student, Radcliffe College, 1899-1900; University of Berlin, 1901-02.

COLE, ANNA LEWIS, 2000 Green Street, Philadelphia.
Fellow in Romance Languages, 1895-96. A.B., Woman's College of Baltimore, 1892,
and A.M., 1894. Student in English and French, Sorbonne, 1894-95; Head Teacher
of Modern Languages, Winthrop Normal and Industrial College, Rock Hill, S. C.,
1897-1903, 1904-05; Fellow in Romance Languages, University of Chicago, 1903-04,
Head of French Department, Friends' Central School, Philadelphia, 1905-07; Graduate
Student, Bryn Mawr College, 1906-07, 1910-11, and University of Pennsylvania,
1906-07; Teacher of French in Sweet Briar Institute, Sweet Briar, Va., 1907-08, and
Head of French Department, 1908-10; Instructor in French in the Girls' High School,
Philadelphia, 1910-14.

COLIN, THÉRÈSE F., Died, 1913.
Fellow in Romance Languages, 1893-94. Diplômée et agrégée, Collège de Neuchâtel,
1875; A.M., Leland Stanford, Jr., University, 1893; Ph.D., University of Pennsylvania,
1897; Officier de l'Instruction Publique, Paris, 1906; Muséum d'Histoire Naturelle,
Paris, 1883-85; University of the City of New York, 1887-88; Reader in Romance
Languages, and Graduate Student, Bryn Mawr College, 1894-96; Student in Romance
Philology and Literature, Sorbonne, Collège de France, Ecole des Hautes Etudes,
Ecole des Chartes, Paris, 1895; Head of French Department in Miss Florence Baldwin's
School, Bryn Mawr, Pa., 1896-1904; Associate Professor of French, Wellesley College,
1904-06, Professor-Elect, 1906-07, and Professor of French Language and Literature,
1907-13, and Head of the Department of French, 1905-13; Professor of French
Language and Literature, University Extension Department of Harvard University,
1910-11.

Married, —, *Mr. Alfred Colin* (†).

COOPER, ELVA, 4521 Nineteenth Avenue, S. E., Seattle, Wash.
Fellow in Mathematics, 1907-08. A.B., University of Wisconsin, 1904, and A.M., 1906.
Student in Mathematics, University of Wisconsin, 1905-06, Graduate Scholar in
Mathematics, and Teacher of Mathematics, 1906-07. Instructor in Mathematics, Uni-
versity of Washington, 1908-10, and University of Colorado, 1910-13.
Married, 1913, *Professor Carl Edward Magnusson*.

COULTER, CORNELIA CATLIN, See page 24.
Fellow in Latin, 1909-10; Fellow in Greek, 1910-11.

CRAWFORD, THYRA, 5802 B, Lansdowne Avenue, Philadelphia.
Fellow in German, 1911-12. A.B., Goucher College, 1903; A.M., University of Minne-
sota, 1910. Graduate Student, University of Minnesota, 1908-10; Teacher in the High
School, Ada, Minn., 1903-04; Principal of the High School, Excelsior, Minn., 1904-11;
Instructor in German, William Penn High School for Girls, Philadelphia, 1912-14.

CUMMINGS, LOUISE D., 256 Main Street, East, Hamilton, Ontario, Canada.
Fellow in Mathematics, 1898-99. A.B., University of Toronto, 1895, and A.M., 1902.
Fellow, University of Pennsylvania, 1896-97; Examiner in Mathematics, University of
Toronto, 1897; Graduate Student, University of Chicago, 1897-98; Fellow by Courtesy
in Mathematics, Bryn Mawr College, 1900; Instructor in Mathematics, St. Margaret's
College, Toronto, Ont., 1901-02; Graduate Scholar, Bryn Mawr College, First Sem-
ester, 1905-06; Instructor in Mathematics, Vassar College, 1902-14.

DARKOW, ANGELA CHARLOTTE, 3911 Poplar Street, Philadelphia.
Fellow in Greek, 1912-14. A.B., Bryn Mawr College, 1911, and A.M., 1912. Graduate
Scholar in Greek, Bryn Mawr College, 1911-12.

DAVIS, SARAH WHITE, Lapeer, Mich.
Fellow in History, 1910-11. A.B., Mt. Holyoke College, 1909. Graduate Student, Mt.
Holyoke College, 1909-10; Mary E. Woolley Fellow of Mt. Holyoke College and Stun-
dent, University of Oxford, 1911-12.

DENIS, WILLEY,

Laboratory of Biological Chemistry, Harvard Medical School,
Boston, Mass.

Fellow in Chemistry, 1902-03. A.B., Tulane University, 1899, and A.M., 1902; Ph.D., University of Chicago, 1907. Graduate Student, Bryn Mawr College, 1899-1901; Tulane University, 1901-02, 1903-04, University of Chicago, 1905-07; Assistant Chemist, U. S. Department of Agriculture, Bureau of Foods, 1907-09; Research Assistant, Harvard Medical School, 1910-14, and Assistant Chemist, Massachusetts General Hospital, Boston, 1913-14.

DOVER, MARY VIOLETTE, Mt. Holyoke College, South Hadley, Mass.

Fellow in Chemistry, 1905-06. A.B., McGill University, 1898, and M.Sc., 1900; Ph.D., University of Breslau, 1908. Instructor in Chemistry, Mt. Holyoke College, 1909-14.

DUCKETT, ELEANOR SHIPLEY, . . . Bank House, Frome, Somerset, England.

Fellow in Latin, 1912-13. B.A., University of London, 1902, and M.A., 1904. Girton College, University of Cambridge, England, 1908-11; Classical Tripos, Part I, 1911. Classical Mistress in the High School, Sutton, Surrey, 1905-07; British Graduate Scholar, Bryn Mawr College, 1911-12, and Special British Graduate Scholar, 1913-14.

DUDLEY, LOUISE, Georgetown, Ky.

Fellow in English, 1906-07. A.B., Georgetown College, 1905; Ph.D., Bryn Mawr College, 1911; subjects, English Philology, English Literature, and English History. Graduate Student, Bryn Mawr College, 1905-06, and Graduate Scholar, 1910. Teacher of Mathematics and Latin in Kemper Hall, Kenosha, Wis., 1907-08; Research Student, Bibliothèque Nationale, Paris, 1908-09, and Student, Oxford University, First Semester, 1909-10; Instructor in English Literature, Mt. Holyoke College, 1910-12.

EDDY, HELEN MAY, Marengo, Ia.

Fellow in Latin, 1904-05. A.B., University of Iowa, 1900, and A.M., 1903. Fellow in Latin, University of Iowa, 1901-04. Teacher of Latin in the High School, Fairfield, Ia., 1905-06, and of Latin and Greek in the Winona Park School for Women, Winona Lake, Ind., 1906-08; Teacher of Latin and German in the State Normal School, Mayville, N. D., 1908-13.

EDMAND, MARIETTA JOSEPHINE, E. 1846 Ninth Avenue, Spokane, Wash.

Fellow in Latin, 1897-98. A.B., Central University of Iowa, 1887, and A.M., 1890; A.B. and A.M., University of Chicago, 1897. Assistant in Academic Department, Iowa Wesleyan University, 1887-90, and Principal of Academic Department, 1890-93; Professor of Latin, Iowa Wesleyan University, 1893-95; Graduate Student in Greek and Latin, University of Chicago, 1895-97; Professor of Latin and Greek, Milwaukee-Downer College, Milwaukee, Wis., 1898-99, and Professor of Latin, 1899-1903; American School of Classical Studies, Rome, 1901-02.

Married, 1903, *Dr. Frederic Perry Noble*.

EDWARDS, KATHARINE MAY, Wellesley College, Wellesley, Mass.

Fellow in Greek, 1888-89. A.B., Cornell University, 1888, and Ph.D., 1895. Instructor in Greek, Wellesley College, 1889-93; Graduate Student, Cornell University, 1893-94; Associate Professor of Greek, Wellesley College, 1894-1901, and Associate Professor of Greek and Comparative Philology, 1901-14.

ELLIS, ELLEN DEBORAH, See page 24.

Fellow in Economics and History, 1904-05.

EVERS, HELEN MARGARET, 11507 Mayfield Road, Cleveland, O.

Fellow in Romance Languages, 1903-05. A.B., Washington University, 1899; A.M., University of Missouri, 1902; Ph.D., Bryn Mawr College, 1905, subjects, French and Spanish. Graduate Student, University of Missouri, 1901-02, and Fellow in Romance Languages, 1902-03; Fellow in Romance Languages, Bryn Mawr College, 1903-05; Teacher of French in the Gleim School, Pittsburgh, Pa., 1906-07; Acting Instructor in Romance Languages, University of Missouri, 1905-06, and Instructor, 1907-09; Instructor in the International Institute for Girls, Madrid, Spain, 1909-10; Instructor in Romance Languages, College for Women of Western Reserve University, 1910-13; Teacher of French in Mary Institute, St. Louis, Mo., 1913-14.

FAHNESTOCK, EDITH, Vassar College, Poughkeepsie, N. Y.

Fellow in Romance Languages, 1897-98. L.B., Western Reserve University, 1894. University of Zürich and Sorbonne, 1894-96; Mistress of Modern Languages, Mississippi Industrial Institute and College, Columbus, Miss., 1898-1901, 1902-05; Graduate Scholar and Fellow by Courtesy in Romance Languages, Bryn Mawr College, 1901-02, and Graduate Scholar, 1906-07; Instructor in Romance Languages, Mt. Holyoke College, 1907-08, and Vassar College, 1908-14.

FAIRBANKS, CHARLOTTE, St. Johnsbury, Vt.

Fellow in Chemistry, 1896-97. A.B., Smith College, 1894; Ph.D., Yale University, 1896; M.D., Woman's Medical College of Pennsylvania, 1902. Instructor in Chemistry, Wellesley College, 1897-99; Woman's Medical College of Pennsylvania, 1899-1902; Instructor in Chemistry and Materia Medica, Woman's Medical College of Pennsylvania, 1906-08; Physician, 1903-14.

FAIRCLOUGH, ELIZABETH MARY, Died, 1912.

Fellow in Greek, 1893-94. A.B., McGill University, 1893. Private Tutor, 1898-1900.

FARNHAM, LOIS ANNA, 22 Old Lancaster Road, Bryn Mawr, Pa.

Fellow in Economics and Politics, 1901-02. A.B., Bryn Mawr College, 1900, group, History and Political Science, and A.M., 1901. Graduate Scholar in History, Political Science, and Law, Bryn Mawr College, 1900-01, and Graduate Student, 1913-14.

Married, 1903, *Professor David Wilbur Horn*.

FOGG, EMILY, "Longlands," Holicong, Pa.

Fellow in History, 1897-98. Wellesley College, 1889-91; A.B., University of Chicago, 1897. Graduate Scholar and Fellow by Courtesy in History, 1898-99; Fellow in Sociology, University of Pennsylvania, 1899-1900; Student, University of Pennsylvania, and Teacher of Economic Geography in Mrs. Head's School, Germantown, Philadelphia, and of History in the Misses Shipley's School, Bryn Mawr, Pa., 1900-01.

Married, 1900, *Professor Edward Sherwood Mead*.

FOSTER, ELIZABETH ANDROS, Glendale Road, Sharon, Mass.

Fellow in Latin, 1910-11. A.B., Bryn Mawr College, 1908, group, Latin and Italian and Spanish, and A.M., 1909. Graduate Scholar in Latin, Bryn Mawr College, 1908-09, and Reader in Latin and Graduate Student, 1909-10; Assistant in French and Instructor in Spanish, Wells College, 1911-13.

FOSTER, FRANCES ALLEN, See page 19.

Fellow in English, 1911-12.

FOWLER, EUGENIA, Upper Lehigh, Pa.

Fellow in Physics, 1902-03. A.B., Bryn Mawr College, 1901, and A.M., 1902. Mistress of Llanberis, and Graduate Student, Bryn Mawr College, 1901-02; Secretary and Manager of Athletics, St. Timothy's School, Catonsville, Md., 1903-07; Manager of Low Buildings, Bryn Mawr College, 1908-09.

Married, 1909, *Mr. M. K. Neale*.

FRANCE, WILMER CAVE, Low Buildings, Bryn Mawr, Pa.

Fellow in Greek, 1892-93. Girton College, University of Cambridge, England, 1888-92, Classical Tripos, 1892; Ph.D., University of Chicago, 1895; Fellow in Latin, University of Chicago, 1893-94, and Fellow in Greek, 1894-95; Reader in Greek and Latin, University of Chicago, 1895-96; Reader in Classical Literature, Bryn Mawr College, 1897-99; Associate in Classical Literature, 1899-1901, Associate in Greek, 1901-03, 1905-06, Lecturer in Greek Literature, 1906-07, and Associate Professor of Greek, 1907-14.

Married, 1906, *Mr. J. Edmund Wright* († 1910).

FRANKLIN, SUSAN BRALEY, 33 Central Park West, New York City.

Fellow in Greek, 1889-90. A.B., Bryn Mawr College, 1889, group, Greek and Latin, and Ph.D., 1895, subjects, Greek, Latin, and Sanskrit. Fellow by Courtesy in Greek, 1890-93; Graduate Student, Bryn Mawr College, 1890-93, and second semester, 1902-03; Holder of the American Fellowship of the Association of Collegiate Alumnae, 1892-93; Instructor in Latin, Vassar College, 1893-97; American School of Classical Studies, Athens, and University of Berlin, 1898-99; Teacher of Greek and Latin in Miss Florence Baldwin's School, Bryn Mawr, Pa., 1897-98, and 1899-1904; Head of the Classical Department, Ethical Culture School, New York City, 1904-11, 1912-14.

FREHAFFER, MABEL KATHRYN, See page 13.

Fellow in Physics, 1909-10.

GAGE, KITTY AUGUSTA, New Paltz, N. Y.

Fellow in Greek, 1885-86. A.B., Boston University, 1878; A.M., Cornell University, 1885. Teacher of Latin and French in the State Normal School, New Paltz, 1893-1913; Professor Emeritus, 1913-14.

GATES, FANNY COOK,.....1328 East 53rd Street, Chicago, Ill.

Fellow in Mathematics, 1896-97. B.S., Northwestern University, 1894, and M.S., 1895. Ph.D., University of Pennsylvania, 1909. Fellow in Mathematics, Northwestern University, 1894-95; Graduate Scholar in Mathematics, Bryn Mawr College, 1895-96; Holder of European Fellowship of the Association of Collegiate Alumnae, and Student in Mathematics and Physics, University of Göttingen, 1897-98; Graduate Student, University of Chicago, Summer Term, 1899; Instructor in Physics, Woman's College of Baltimore, 1898-1901, Associate Professor of Physics, 1901-06, and Professor of Physics, 1906-11; Research Student, McGill University, 1902-03; Research Student, Cavendish Laboratory, Cambridge, England, April to August, 1905 and 1906; Research Worker, School of Education, University of Chicago, 1911-13.

GENTRY, RUTH,.....Stilesville, Ind.

Fellow in Mathematics, 1890-91. Ph.B., University of Michigan, 1890; Ph.D., Bryn Mawr College, 1896, subjects, Mathematics and Physics. Fellow by Courtesy in Mathematics, Bryn Mawr College, 1893-94; Holder of the European Fellowship of the Association of Collegiate Alumnae, and Student in Mathematics, University of Berlin, 1891-92; Student at the Sorbonne, 1892-93; Instructor in Mathematics, Vassar College, 1894-1900, and Associate Professor of Mathematics, 1900-02; Associate Principal of Private School, Pittsburgh, Pa., and Head of Department of Mathematics, 1902-05; Volunteer nurse (unpaid), 1910-11; Travelling, 1912-14.

GIBBONS, VERNETTE LOIS,.....See page 20.

Fellow in Chemistry, 1911-12.

GILROY, HELEN TURNBULL,.....2314 Green Street, Philadelphia.

Fellow in Physics, 1911-12. A.B., Bryn Mawr College, 1909, group, Mathematics and Physics, and A.M., 1912. Graduate Student and Student Assistant in the Physical Laboratory, Bryn Mawr College, 1910-11; Instructor in Physics, Mt. Holyoke College, 1912-14.

GOODRICH, GRACE GERTRUDE,.....Ripon, Wis.

Fellow in Latin, 1911-12. A.B., Ripon College, 1906, and A.M., 1907; A.M., University of Wisconsin, 1911, and Ph.D., 1913. Student, American School of Classical Studies in Rome, 1909-10; University of Wisconsin, 1910-11; Assistant in Latin, University of Wisconsin, 1912-13; Instructor in Latin and Greek, Ripon College, 1913-14.

GORDON, WILHELMINA,

Principal's House, Queen's University, Kingston, Ontario, Canada.

Fellow in Latin, 1906-07. M.A., Queen's University, 1905. Graduate Scholar in English, Bryn Mawr College, 1905-06; Somerville College, Oxford, England, 1908-09. Tutor in English, Queen's University, 1909-10, Fellow and Reader in English, 1910-12, and Instructor in English, 1912-14.

GRAHAM, ELLEN MAUD,.....131 Scott Street, Quebec, Canada.

Fellow in History, 1896-97. A.B., University of Toronto, 1896. Canadian Government Teacher in South Africa, 1902-04; Teacher of Modern Languages, Harriston, Ont., 1905-06; Principal of the Girls' High School, Quebec, P. Q., 1906-09.

Married, 1908, *Mr. Frederick Gourlay Millar*.

GRAHAM, MINNIE ALMIRA,.....24 Park Place, Lockport, N. Y.

Fellow in Chemistry, 1906-07, 1910-11. A.B., Mount Holyoke College, 1900; A.M., University of Michigan, 1906; Ph.D., Bryn Mawr College, 1912, subjects, Physical Chemistry, Organic Chemistry and Physics. Teacher of Mathematics and Science in the High School, Hancock, N. Y., 1900-01; and Instructor in Chemistry, Mount Holyoke College, 1902-05; Student in Physics, Massachusetts Institute of Technology, First Semester, and Teacher of Science in the High School, Braintree, Mass., 1901-02; Graduate Student, University of Michigan, and Holder of the '86 Fellowship of Mount Holyoke College, 1905-06; Professor of Chemistry, Lake Erie College, 1907-10; 1912-13, and on leave of absence, 1910-12; Graduate Scholar and Fellow by Courtesy, Bryn Mawr College, 1911-12; Acting Professor of Chemistry, Wells College, 1913-14.

GRIFFIN, HATTIE JOSEPHINE,.....Marshfield, Ore.

Fellow in Latin, 1899-1900. A.B., University of Wisconsin, 1898, and A.M., 1902. Alumni Fellow in Latin, University of Wisconsin, 1898-99; Fellow in Latin, University of Wisconsin, 1901-02; Assistant in the High School, Crystal Falls, Michigan, 1902-03; Professor of Ancient and Modern Languages, Nebraska Central College, 1903-07; Principal of the High School, North Bend, 1907-09; Teacher of Latin and German in the Kinney High School, North Bend, 1909-13.

GWINN, MARY,.....33 Mount Vernon Place East, Baltimore, Md.

Fellow in English, 1885-87. University of Leipsic, 1879-82; University of Zürich, 1882; Sorbonne and Collège de France, 1883. Ph.D., Bryn Mawr College, 1888. Graduate

Student, Bryn Mawr College, 1887-88, and Associate in English, 1888-93; Associate Professor of English, Bryn Mawr College, 1893-97, and Professor of English, 1897-1904. Married 1904, *Mr. Alfred Hodder*.

HAHN, DOROTHY ANNA, Box 344, South Hadley, Mass.
Fellow in Chemistry, 1907-08. A.B., Bryn Mawr College, 1899, group, Chemistry and Biology. Professor of Chemistry and Biology, Pennsylvania College for Women, Pittsburgh, Pa., 1899-1906; Professor of Biology, Kindergarten College, Pittsburgh, 1904-06; Student, University of Leipsic, 1906-07; Instructor in Chemistry, Mount Holyoke College, 1908-13.

HAINES, JANE BOWNE, Cheltenham, Pa.
Fellow in History, 1892-93. A.B., Bryn Mawr College, 1891, group, History and Political Science, and A.M., 1892. Graduate Student, Bryn Mawr College, 1891-92, 1893-94, and Associate Librarian, 1895-98; Student, New York State Library School, Albany, N. Y., 1898-99; Assistant in the Cataloguing Division, Library of Congress, Washington, D. C., 1900-03; Private Indexer and Bibliographer, 1903-14.

HAMILTON, EDITH, See page 24.
Fellow in Latin, 1894-95.

HANINGTON, FLORENCE, Prospect Road, Rockcliffe, Ottawa, Canada.
Fellow in Mathematics, 1905-06. A.B., Trinity University, 1904. Graduate Scholar in Mathematics, Bryn Mawr College, 1904-05; Secretary of Bryn Mawr College, 1906-07.
Married, 1907, *Mr. Charles Reginald Carter*.

HANNA, MARY ALICE, See page 17.
Fellow in History, 1912-13.

HARDCASTLE, FRANCES, 3 Osborne Terrace, Newcastle on Tyne, England.
Fellow in Mathematics, 1894-95. M.A., Trinity College, Dublin, 1907. Girton College, University of Cambridge, England, 1888-92; Mathematical Tripos, Part I, 1891; Part II, 1892. Graduate Student in Mathematics, Bryn Mawr College, 1892-93; Honorary Fellow in Mathematics, University of Chicago, 1893-94; Graduate Student in Mathematics, Girton College, 1895-96; Pfeiffer Student of Girton College, 1902-03; Hon. Secretary, National Union of Women's Suffrage Societies, London, 1906-09.

HARMON, ESTHER, See page 25.
Fellow in German, 1908-09.

HARPER, CARRIE ANNA, Sunderland, Mass.
Fellow in English, 1898-99. A.B., Radcliffe College, 1896, and A.M., 1898; Ph.D., Bryn Mawr College, 1910, subjects, English Language, English Literature and Spanish. Graduate Scholar in English, Bryn Mawr College, 1896-97; Graduate Student in English, Radcliffe College, 1897-98, 1906-07; Teacher of English in the Gilman School, Cambridge, Mass., 1899-1907; Instructor in English Literature, Mt. Holyoke College, 1907-11, and Associate Professor, 1911-14.

HARRIS, ELIZABETH, Clayton, Mo.
Fellow in Greek, 1890-91. A.B., Bryn Mawr College, 1890, group, Greek and Latin, and A.M., 1891. Teacher of Greek and Latin in the Collegiate Grammar School, New York City, 1891-92; Teacher of Greek and Latin in Miss Florence Baldwin's School, Bryn Mawr, Pa., 1892-96.
Married, 1896, *Professor Edward Harrison Keiser*.

HARRISON, ELIZABETH,
Mickleton, Queen's Drive, Mossley Hill, Liverpool, England.
Fellow in Greek, 1906-07. Liverpool University College, 1897-98; Newnham College, University of Cambridge, England, 1898-1902; Classical Tripos, Part I, 1901; Part II, 1902; Classical Mistress, Roedean School, Brighton, England, 1902-06; Temporary Assistant Lecturer in Latin, University of Liverpool, and Private Tutor, 1908-11.
Married, 1911, *Mr. Percy Fallowfield Kipling*.

HARRISON, JANE ANNETTA, See page 25.
Fellow in German, 1909-10.

HATCH, LAURA, 1210 Astor Street, Chicago, Ill.
Fellow in Geology, 1912-13. A.B., Vassar College, 1906; M.S., University of Chicago, 1911. Teacher in the University School for Girls, Chicago, 1906-07; in the High

School, Aurora, Ill., 1907-10; Assistant in the Laboratory, University of Chicago, 1910-11; Instructor in Geology, Wellesley College, 1911-12; Graduate Scholar, University of Chicago, 1913-14.

HAZEN, ANNAH PUTNAM, 68 Washington Square, New York City.

Fellow in Biology, 1898-99. L.B., Smith College, 1895; S.M., Dartmouth College, 1897. Graduate Student in Biology, Dartmouth College, 1895-96; Graduate Scholar in Biology, Bryn Mawr College, 1897-98; Teacher of Biology in the State Normal School, Plymouth, N. H., 1899-1900; Assistant in Zoology, Smith College, 1900-03; Teacher of Biology in the Wadleigh High School, New York City, 1903-09; First Assistant in Biology in the Eastern District High School, Brooklyn, New York City, 1909-14.

HAZLEWOOD, CHARLOTTE WILLIAMS, 161 Allen Avenue, Lynn, Mass.

Fellow in Greek, 1898-99. A.B., Wellesley College, 1891. Teacher of Greek and Latin in the Classical High School, Lynn, 1891-96; Graduate Student, Yale University, 1896-97, and Graduate Scholar, 1897-98; Substitute Head of Greek and Latin Department, Pennsylvania College for Women, Pittsburgh, Pa., Second Semester 1910; Literary and Artistic Work, Book Designing, 1910-12.

HENRY, MARGARET EDITH, 1108 East 62nd Street, Chicago, Ill.

Fellow in Philosophy, 1900-01. A.B., University of Nebraska, 1898, and A.M., 1900; A.M., Radcliffe College, 1902; Ph.D., Columbia University, 1906. Graduate Scholar in Philosophy, University of Nebraska, 1898-99, and Fellow, 1899-1900; Graduate Student, Radcliffe College, 1901-02; Graduate Student, Columbia University, 1904-06. Married, 1904, *Dr. Alvin Saunders Johnson*.

HICKS, AMY MAUD, 33 Downside Crescent, Hampstead, London, England.

Fellow in Greek, 1904-05. A.B., University of London, 1900, and A.M., 1901. Student, Girton College, University of Cambridge, England, 1895-99, Classical Tripos, Part I 1898, Part II, 1899; Student, University College, London, 1900-02; Teacher of Classics in St. Mary's College, Paddington, London, 1906-09.

HIGHET, MARY ELIZABETH, Cobourg, Ontario, Canada.

Fellow in German and Teutonic Philology, 1896-97. A.B., Victoria University, 1891, and A.M., 1892; Ph.M., Cornell University, 1894, and Ph.D., 1895. Teacher of Modern Languages, Bowmanville High School, 1892-93; Professor of Modern Languages and History, State Normal School, New Paltz, N. Y., 1897-1900; University of Berlin, 1901-02; Professor of German, Elmira College, 1902-12.

HILL, SARAH D., 1220 South 22nd Street, Lincoln, Neb.

Fellow in Teutonic Philology, 1904-05. A.B., Earlham College, 1901. Graduate Scholar, Bryn Mawr College, 1903-04; Assistant in German and French, Earlham College, 1905-08.

Married, 1908, *Mr. Milton D. Baumgartner*.

HOOPER, EDITH SOPHIA, . . Heathersby, Chislehurst Road, Kent, England.

Fellow in English, 1900-01. M.A., University of Edinburgh, 1900, Honours in Philosophy, 1899, in English, 1900.

HOPKINS, MARY DELIA, Clinton, N. Y.

Fellow in English, 1896-97. A.B., Bryn Mawr College, group, English and German, and A.M., 1896. Reader in English, and Graduate Student, Bryn Mawr College, 1897-98, and Reader in English, 1899-1901; Teacher of Latin and English in the Granger Place School, Canandaigua, N. Y., 1902-04; Teacher of English in the Balliol School, Utica, N. Y., 1901-02, and of English, German, and Latin, 1905-07; Teacher of English and Latin in Miss Davidge's School, New York City, and Private Tutor, 1904-05; Teacher of Latin, German, and English in the Veltin School, New York City, 1908-13, and Graduate Student, Columbia University, 1908-11.

HORTON, GOLDIE PRINTIS, Quanah, Tex.

Fellow in Mathematics, 1912-13. A.B., University of Texas, 1908; A.M., Smith College, 1910. Head of Department of Mathematics, Grandview, Texas, 1908-09; Fellow in Mathematics, Smith College, 1909-10; Head of Department of Mathematics in the High School, Amarillo, Tex., 1910-12.

HOWELL, JEAN KIRK, 123 West 7th Street, Plainfield, N. J.

Fellow in Biology, 1891-92. Ph.B., Cornell University, 1888, and S.M., 1890. Assistant in Botany, Barnard College, 1892-96; Teacher of Science in the Phillips High School, Watertown, Mass., 1898-99; Teacher of Science in Miss Ingol's School, Cambridge, Mass., 1899-1905, and in the Plainfield Seminary, Plainfield, 1905-13.

HUGHES, WINONA ALICE, Holden Hall, University of Wooster, Wooster, O.

Fellow in Chemistry, 1900-01. Ph.B., University of Wooster, 1891. Graduate Student, Cornell University, Summer School, 1894; Harvard University, Summer School, 1895;

University of Chicago, 1897-99; Teacher of Science in the Public Schools, Marion, O., 1892-97, and in the High School, Mansfield, O., 1899-1900; Teacher of Science in the High School, Ottumwa, Ia., 1901-02; Teacher of Chemistry and Zoology in the High School, Mansfield, 1902-06; Instructor in Chemistry, Mt. Holyoke College, 1906-11; Field Secretary, University of Wooster, 1911-12, and Dean of Women, 1912-14.

HUTCHINSON, ANABELLE ROXBURGH,

Brookside, Catterick, Yorkshire, England.

Fellow in Romance Languages, 1899-1900. Newnham College, University of Cambridge, England, 1895-99; Mediaeval and Modern Languages Tripos, 1898; Sorbonne, 1900-01; Assistant Librarian, University Library, Cambridge, 1902-05; Assistant Lecturer in French, Newnham College, 1904-06; Examiner in French and Italian, Joint Board Matriculation, 1909-12; Examiner in Spanish, Cambridge Local Examinations and Schools for the same Board, 1912-14; French Lecturer, Homerton Training College, 1913-14.

HYDE, IDA H.,Lawrence, Kan.

Fellow in Biology, 1892-93. S.B., Cornell University, 1891; Ph.D., University of Heidelberg, 1896. Student Assistant in Biology, Bryn Mawr College, 1891-92; Holder of the European Fellowship of the Association of Collegiate Alumnae, and Student in Biology, University of Strassburg, 1893-94; Holder of the Phebe Hunt Fellowship of the Association of Collegiate Alumnae, and Student in Biology, University of Heidelberg, 1894-96; Teacher of Science in Miss Ingol's School, Cambridge, Mass., 1898-99; Professor of Physiology, and Head of Department of Physiology, University of Kansas, 1899-1914.

HYDE, WINIFRED FLORENCE,1039 C Street, Lincoln, Neb.

Fellow in Philosophy, 1902-04. A.B., University of Nebraska, 1900, and Ph.D., University of Jena, 1911. Scholar in Philosophy, University of Nebraska, 1900-01; University of Denver, Summer of 1901; Teacher in the High School, Lincoln, Neb., 1901-02; Scholar in Philosophy, Cornell University, 1904-05; Holder of the European Fellowship of the Boston Woman's Educational Association and Student at the University of Jena, 1905-11; Instructor in Philosophy, University of Nebraska, 1911-12, Adjunct Professor, 1912-13, and Assistant Professor, 1913-14.

ISHAM, MARY KEYT,849 Oak Street, Walnut Hills, Cincinnati, O.

Fellow in Philosophy, 1899-1900. A.B., Wellesley College, 1894; A.M., University of Cincinnati, 1898; M.D., Laura Memorial Medical College, 1903. Graduate Student in Philosophy and Psychology, University of Cincinnati, 1897-98; Graduate Student in Philosophy and Psychology, University of Chicago, 1898-99; Lecturer on Psychology and Student, Laura Memorial Medical College, Cincinnati, 1900-03; Interne and House Physician at the Presbyterian Hospital, Cincinnati, 1903-04; Physician, 1904-12; Secretary, Academy of Medicine of Cincinnati, 1907-08; Assistant Physician, Columbus State Hospital, Columbus, O., 1908-14.

JARVIS, MAY MASON,Newell Place, Avenue A, San Antonio, Tex.

Fellow in Biology, 1909-10. A.B., University of Texas, 1906, and A.M., 1908. Tutor in Zoology, University of Texas, 1907-09, 1910-11.

Married, 1911, *Mr. George S. Newell*.

JONES, LAURA LUCINDA,Box 353, Cobourg, Ontario, Canada.

Fellow in English, 1894-95. A.B., University of Toronto, 1891. Teacher of Modern Languages in the Collegiate Institute, Kingston, Ont., 1895-97; Teacher of English, and Student in German in the Höhere Töchterchule Tegeler, Eberswalde, Berlin, 1897-98; Teacher of English, French, and German in the Collegiate Institute, Cobourg, 1898-1909; Member of the Board of the Public Library, Cobourg, 1904-08.

KELLOGG, ANGIE LILLIAN,See page 20.

Fellow in Philosophy, 1911-13.

KEYS, FLORENCE V.,Vassar College, Poughkeepsie, N. Y.

Fellow in Greek, 1891-92; Fellow in English, 1892-93. A.B., University of Toronto, 1891. Examiner in English, University of Toronto, 1894-95; Reader in English, Bryn Mawr College, 1893-97, and Graduate Student in English, 1895-96; University of Oxford, England, 1897-98; University of Berlin, 1898-99; Reader in English, College Entrance Examination Board, 1900-02; Student, University of Munich, 1904-05; Instructor in English, Vassar College, 1899-1904, and Associate Professor of English, 1904-14.

KING, GEORGIANA GODDARD,Garrett Hill P. O., Rosemont, Pa.

Fellow in Philosophy, 1896-97; Fellow in English, 1897-98. A.B., Bryn Mawr College, and George W. Childs Prize Essayist, 1896, group, Political Science and Philosophy, and A.M., 1897. Student at the Collège de France, First Semester, 1898-99;

Teacher of English, Philosophy, and History of Art in the Misses Graham's School, New York City, 1899-1906; Reader in English, Bryn Mawr College, 1906-11; Lecturer in the History of Art and Comparative Literature, 1911-14.

KING, HELEN DEAN, 17 Elliott Avenue, Bryn Mawr, Pa.

Fellow in Biology, 1897-98. A.B., Vassar College, 1892; Ph.D., Bryn Mawr College, 1901, subjects, Morphology, Paleontology, and Physiology. Graduate Student in Biology, Vassar College, and Assistant in the Biological Laboratory, 1894-95; Graduate Scholar in Biology, Bryn Mawr College, 1895-96, and Graduate Student in Biology, 1896-97 and 1901-06, and Fellow by Courtesy in Biology, 1898-1901; Teacher of Science in Miss Florence Baldwin's School, Bryn Mawr, Pa., 1899-1907; University Fellow for Research in Zoology, University of Pennsylvania, 1906-08; Investigator, Wistar Institute of Anatomy and Biology, Philadelphia, 1908-09, Assistant in Anatomy, 1909-10, Associate in Anatomy, 1910-13, and Assistant Professor of Embryology, 1913-14.

KING, HELEN MAXWELL, See page 17.

Fellow in Romance Languages, 1909-10.

KING, LIDA SHAW, Cushing Street, Providence, R. I.

Fellow in Greek, 1899-1900. A.B., Vassar College, 1890; A.M., Brown University, 1894; D.Lit., Mt. Holyoke College, 1912; LL.D., Western Reserve University, 1913. Fellow in Greek, Vassar College, 1894-95; Instructor in Greek and Latin, Vassar College, 1895-97; Graduate Student in Greek and Greek History, Harvard University, 1897-98; Instructor in Latin, Packer Collegiate Institute, Brooklyn, New York City, 1898-99; Student, American School of Classical Studies, Athens, 1899-1901; Holder of the Agnes Hoppin Memorial Fellowship, 1900-01; Director of Classical Department, Packer Collegiate Institute, 1901-02; Dean of the Women's College, and Assistant Professor of Classical Philology in Brown University, 1905-09; Dean of the Women's College and Professor of Classical Literature and Archaeology, 1910-14.

KING, MARIE SEWARD, 920 High Street, Grinnell, Ia.

Fellow in German, 1910-11. A.B., Olivet College, 1907, and A.M., 1908. Professor of German and French, Des Moines College, 1908-09; Graduate Student, Bryn Mawr College, 1909-10, and Substitute Reader in French, March to June, 1910; Instructor in French, Grinnell College, 1911-12, and in German, 1912-14.

LAIRD, ELIZABETH REBECCA, See page 25.

Fellow in Physics, 1897-98.

LAMBERTON, HELEN, 753 Corinthian Avenue, Philadelphia.

Fellow in Physics, 1908-09. A.B., Bryn Mawr College, 1907, group, Mathematics and Physics, and A.M., 1908. Graduate Scholar in Physics, Bryn Mawr College, 1907-08; Graduate Student, University of Pennsylvania, and Teacher of Physics in the Girls' High School, Philadelphia, 1909-10; Teacher of Mathematics in the Germantown High School for Girls, Philadelphia, 1910-14.

LANGENBECK, CLARA, See page 25.

Fellow in Biology, 1895-96.

LANSING, RUTH, 53 Crawford Street, Roxbury, Mass.

Fellow in Romance Languages, 1911-12. A.B., Radcliffe College, 1908, and A.M., 1909. Instructor in Wells College, September to November, 1909. Graduate Student, Radcliffe College, 1908-09, 1912-14.

LEFTWICH, FLORENCE, See page 25.

Fellow in Romance Languages, 1902-03.

LEWIS, FLORENCE PARTHENIA, See page 25.

Fellow in Philosophy, 1898-99.

Longbottom, Gertrude, The Hollies, Louth, Lincolnshire, England.

Fellow in Mathematics, 1897-98. Girton College, University of Cambridge, England, 1893-97; Mathematical Tripos, Part I, 1896; Part II, 1897. M.A., Trinity College, Dublin, 1905. Teacher of Latin in the Municipal Technical School, Louth, 1899-1900, and Teacher of Mathematics, 1900-06; Governor of King Edward VI Girls' Grammar School, Louth, 1903-12; Manager of the Louth British (Elementary) School, 1904-14; Private Tutor, 1909-10.

LORD, ELEANOR LOUISA, 2426 Guilford Avenue, Baltimore, Md.

Fellow in History, 1889-90, 1895-96. A.B., Smith College, 1887, and A.M., 1890; Ph.D., Bryn Mawr College, 1898, subjects, History and Political Science. Instructor in History, Smith College, 1890-94; Holder of the European Fellowship of the Women's Educa-

tional Association of Boston, and Student in History, Newnham College, University of Cambridge, England, 1894-95; Instructor in History, Woman's College of Baltimore, 1897-1901; Associate Professor, 1901-04, and Professor of History, 1904-11; President of the History Teachers' Association of Maryland, 1908-09; Dean of Goucher College, 1911-14.

LOVELL, HELEN LOUISA, Hardin College, Mexico, Mo.

Fellow in Greek, 1887-88. A.B., University of Michigan, 1887. Graduate Student, University of Michigan, 1888-89; Teacher of Latin and History in the Girls' Classical School, Indianapolis, Ind., 1889-90; Associate in Greek and Latin, Woman's College of Baltimore, 1890-91; and Associate Professor, 1891-93; Acting Professor of Greek and Latin, Earlham College, 1893-94; Graduate Student, University of Chicago, 1894-95, and Fellow in Greek, 1895-96; Professor of Greek, Hardin College, Mexico, 1896-1900, Professor of Greek and Philosophy, 1900-05, and Professor of Latin and Greek, 1905-14.

Married, 1896, *Mr. John Wilson Million*.

LOWATER, FRANCES, Rockford College, Rockford, Ill.

Fellow in Physics, 1896-97. B.Sc., University of London, 1900; Ph.D., Bryn Mawr College, 1906, subjects, Physics, Mathematics and Applied Mathematics. University College, Nottingham, England, 1888-91, 1892-93; Newnham College, University of Cambridge, England, 1891-92; Demonstrator in Physics, Bryn Mawr College, 1893-96, 1897-98, 1899-1905, and 1907-10; Graduate Scholar in Physics, 1897-98, and Graduate Student in Physics and Mathematics, 1894-96, 1899-1900; Secretary of Bryn Mawr College, 1898-99; Acting Associate Professor of Physics, the Western College, Oxford, O., 1910-11; Professor of Physics, Rockford College, 1911-14; Volunteer Research Assistant, Yerkes Observatory, Summer Quarters, 1911 and 1913.

LUNDIE, ELIZABETH HELEN, 36 Fort Street, Montreal, Canada.

Fellow in Physics, 1905-06. A.B., McGill University, 1903, and M.Sc., 1904. Assistant in Chemistry in the High School, Montreal, 1908-14.

MACDONALD, MARGARET BAXTER, State College, Pa.

Fellow in Chemistry, 1898-99. Pennsylvania State College, 1893-95; B.S., Mt. Holyoke College, 1898; Ph.D., Bryn Mawr College, 1902, subjects, Chemistry and Physiology. Student Assistant in Chemical Laboratory, Mt. Holyoke College, 1895-97; Graduate Scholar in Chemistry and Physiology, Bryn Mawr College, 1897-98, and Pepper Fellow in Chemistry, University of Pennsylvania, 1899-1900; Graduate Scholar and Fellow by Courtesy in Chemistry, Bryn Mawr College, 1900-01; Teacher of Chemistry and Physics, Asheville College, Asheville, N. C., 1901-02; Professor of Chemistry, New Jersey State Normal School, 1902-04; Instructor in Chemistry, Vassar College, 1905-06; Assistant Chemist, Delaware College Experimental Station, 1906-07; Instructor in Chemistry, Pennsylvania State College, 1907-10, Assistant Professor of Agricultural Chemistry, 1910-13, and Associate Professor, 1913-14.

MACLEOD, ANNIE LOUISE, See page 12.

Fellow in Chemistry, 1909-10; Research Fellow in Chemistry, 1910-12.

MADDISON, ISABEL, See page 26.

Fellow in Mathematics, 1893-94.

MANN, CARRIE ALICE, Died, 1905.

Fellow in Mathematics, 1903-04. A.B., Wellesley College, 1893. Graduate Student, Bryn Mawr College, and Teacher of Mathematics in the Misses Kirk's School, Rosemont, Pa., 1901-03; Teacher of Mathematics in Mrs. Chapman and Miss Jones's School, Chestnut Hill, Philadelphia, 1904-05.

MARCUSE, BELLA,

370 Oxford Avenue, Notre Dame de Grace, Montreal, Canada.

Fellow in Chemistry, 1904-05. A.B., McGill University, 1900, and M.Sc., 1903. Student, University of Breslau, 1900-01; Assistant, McGill Model School, Montreal, Canada, January to June, 1904; Student in French, McGill University, 1905-07, and Private Tutor, 1905-08; Recording Secretary of the National Council of Women of Canada, 1908-11.

Married, 1908, *Mr. Douglas McIntosh*.

MARTIN, EMILIE NORTON, See page 26.

Fellow in Mathematics, 1895-96.

MASON, GERTRUDE HELEN, 2627 Channing Way, Berkeley, Cal.

Fellow in English, 1887-88. Ph.B., University of Michigan, 1876, and Ph.M., 1888. Graduate Student in English, University of Michigan, 1888-89; Teacher of English in the High School, Petaluma, Cal., 1889-95, in the High School, San Diego, Cal., 1895-96;

- Graduate Student in English, Leland Stanford, Jr., University, 1896-97, and 1900-01; Assistant to Dr. Ewald Flügel on Chaucer Lexicon, 1904-05; Teacher of English in the Kern County High School, Bakersfield, Cal., 1897-98, and in the Union High School, Haywards, Cal., 1899-1900; Private Tutor in English, 1900-02, 1905-13.
- MATHEWS, IRENE MAUD**, . . . Holly House, Duke Street, Sheffield, England.
Fellow in Physics, 1910-11. Girton College, University of Cambridge, England, 1906-10; First Class Honours, Cambridge Mathematical Tripos, Part I, 1909, and Part II, 1910. Assistant Mistress, the High School for Girls, Manchester, England, 1911-13; Senior Mathematical and Physics Mistress, City and County School, Chester, England, 1913-14.
- MCCAIN, GERTRUDE IONA**, Delphi, Ind.
Fellow in Mathematics, 1911-12. A.B., Indiana State University, 1908, and A.M., 1911. Teacher in the High School, Delphi, 1897-99; Principal of the Friends' High School, Salem, Ind., 1908-09; Teaching Fellow in Mathematics, Indiana State University, 1910-11; Instructor in Mathematics and English in the High School, Delphi, 1913-14.
- MCNAIR, GRACE ELIZABETH**, Brodhead, Wis.
Fellow in History, 1900-01. L.B., University of Wisconsin, 1898, and L.M., 1899. Assistant in History in the High School, Madison, Wis., 1899-1900; Assistant in Latin, German, and History in the High School, Brodhead, 1902-04.
- MERRILL, KATHARINE**, Boston Normal School, Boston, Mass.
Fellow in English, 1889-91. A.B., University of Kansas, 1889. Graduate Student in English, Bryn Mawr College, 1889-90; Harvard Annex, 1891-92; Assistant Professor of English Language and Literature, University of Illinois, 1892-97; Fellow in English, University of Chicago, 1897-98; Teacher of English, Austin High School, Chicago, Ill., 1898-1903; Teacher of the History of Literature in the Leland Powers School of the Spoken Word, Boston, 1905-08; Teacher in the Department of Expression and Reading, Boston Normal School, 1908-11.
- MILES, CAROLINE**, Bloomingdale, Ind.
Fellow in History, 1891-92. A.B., Earlham College, 1887; A.M., University of Michigan, 1890, and Ph.D., 1892. Teacher of Latin in the Friends' Academy, Bloomingdale, Ind., 1888-89; University of Michigan, 1889-91; Instructor in Philosophy and Political Economy, Mt. Holyoke College, 1892-93; Tutor in History, Wellesley College, 1893-94, and Instructor in Psychology, 1894-95; University Extension Work, Chicago, 1897-1900; Assistant Reference Librarian, John Crerar Library, Chicago, 1900-04; Principal of Friends' Academy, Bloomingdale, 1911-12.
Married, 1895, *Mr. William Hill*.
- MILLMAN, MABEL HELEN**,
735 Bloor Street, West, Toronto, Ontario, Canada.
Fellow in French, 1908-09. A.B., University of Toronto, 1907. Graduate Student, University of Toronto, June, 1907, to January, 1908, 1910-12; Teacher of History in the Westbourne School, Toronto, January to June, 1908, and of Latin in Havergal College, Toronto, April to June, 1908; English Essay Reader, University of Toronto, and Private Tutor, 1911-13; Teacher of English Literature, Westminster College, Toronto, 1913-14.
Married, 1912, *Dr. Clarence Meredith Hincks*.
- MORRIS, MARGARET SHOVE**, . . . 1904 Mt. Royal Avenue, Baltimore, Md.
Fellow in History, 1907-08. A.B., Woman's College of Baltimore, 1904. Holder of Foundation Scholarship, Bryn Mawr College, 1904-06; Holder of the Alumnae Fellowship of the Woman's College of Baltimore and Research Student at the Public Record Office, London, 1906-07; Instructor in History, Mt. Holyoke College, 1908-14, on leave of absence, Student in Johns Hopkins University, 1913-14.
- MORSE, KATE NILES**, See page 26.
Fellow in Greek, 1900-01.
- MORTON, CAROLINE MILLARD**, . . . 131 Superior Street, Providence, R. I.
Fellow in Classical Archæology, 1912-13. A.B., Brown University, 1910, and A.M., 1911. Graduate Scholar in Greek, Bryn Mawr College, 1911-12.
- MORY, RUTHELLA BERNARD**, The Somerset, Baltimore, Md.
Fellow in History, 1899-1900. A.B., Woman's College of Baltimore, 1897; Ph.M., University of Chicago, 1899. Student in English and History, University of Oxford, England, 1897-98; Graduate Student in History and History of Art, University of Chicago, 1898-99; Student, London School of Economics, 1900; Research Work in History in the British Museum and in the Public Record Office, London, 1900-02; Writer on History, 1910-11.
Married, 1903, *Mr. Arthur Barneveld Bibbins*.

NEILSON, NELLIE, Mt. Holyoke College, South Hadley, Mass.

Fellow in History, 1894-95. A.B., Bryn Mawr College, 1893, group, Greek and English, A.M., 1894, and Ph.D., 1899, subjects, History and English. Graduate Student, Bryn Mawr College, 1893-94, 1895-96, 1900-01; Holder of the American Fellowship of the Association of Collegiate Alumnae, 1895-96; Research Work in History in Cambridge, England, and in the Public Record Office, London, 1896-97; Teacher of History in Miss Irwin's School, Philadelphia, 1897-1900; Private Research Work, 1897-1905, 1908-09; Reader in English, Bryn Mawr College, 1900-02; Instructor in History, Mt. Holyoke College, 1902-03; Acting Professor of European History, 1903-04, and Professor of History, 1904-14; in England on leave of absence, 1908-09, Second Semester, 1911-12.

NICHOLS, ELIZABETH, 1918 North Pennsylvania Street, Indianapolis, Ind.

Fellow in Biology, 1893-94. A.B., Bryn Mawr College, 1893, group, Chemistry and Biology. Graduate Student, Bryn Mawr College, 1894-95; Teacher of Science in the Girls' High School, Philadelphia, 1895-96; Secretary of the Indianapolis Branch of the Needlework Guild of America, 1907-08.

Married, 1896, *Mr. Charles W. Moores*.

NORTHWAY, MARY ISABEL,

Lifton Villa, Shaughnessy Heights, Vancouver, B. C., Canada.

Fellow in Physics, 1900-01. A.B., University of Toronto, 1898. Ontario Normal College, 1898-99; Graduate Scholar in Physics, Bryn Mawr College, 1899-1900; Student of Domestic Science, 1901-02; Assistant in Physics Department, Smith College, 1902-03.

Married, 1904, *The Rev. R. J. Wilson*.

NOWLIN, NADINE, See page 26.

Fellow in Biology, 1905-06.

O'GRADY, MARCELLA I., Würzburg, Bavaria.

Fellow in Biology, 1887-89. S.B., Massachusetts Institute of Technology, 1885. Teacher of Science in the Bryn Mawr School, Baltimore, Md., 1885-87; Demonstrator in Biology, Bryn Mawr College, 1888-89; Associate Professor of Biology, Vassar College, 1889-93, and Professor of Biology, 1893-96.

Married, 1897, *Professor Theodore Boveri*.

OLSEN, SOPHIE YHLEN, Rektorboligen, Roskilde, Denmark.

Fellow in Teutonic Philology, 1899-1900. A.B., Bryn Mawr College, 1898, group, Greek and Latin, and A.M., 1899. A.M., University of Copenhagen, 1902. Graduate Scholar in English and Teutonic Philology, Bryn Mawr College, 1898-99; Student, Universities of Copenhagen and Leipsic, 1900-01; University of Copenhagen, 1901-02; Teacher of English Literature in the Zahle Institute for Teachers, Copenhagen, 1905-11; and Teacher of English in the State College for Teachers, Copenhagen, 1908-12.

Married, 1902, *Dr. Henrik Bertelsen*.

PARKER, EMMA HARRIET, Charlestown, N. H.

Fellow in Chemistry, 1893-94. B.S., Smith College, 1887. Graduate Student in Chemistry, Bryn Mawr College, 1892-93, and Graduate Scholar in Chemistry, 1894-95; Instructor in Chemistry, Wellesley College, 1895-97; Teacher of Science in the High School, New Bedford, Mass., 1897-1900; Teacher of Chemistry in the High School, Newton, Mass., 1900-13; Student of Chemistry, the Sorbonne and University of Berlin, 1909-10; Student in the School for Social Workers, Boston, Mass., 1913-14.

PARRIS, MARION, See page 26.

Fellow in Economics and Politics, 1905-06.

PASCHALL, ANNIE GOODE, Died, 1895.

Fellow in Greek, 1894-95. A.B., Vanderbilt University, 1894.

PEEBLES, FLORENCE, See page 26.

Fellow in Biology, 1896-97.

PEEBLES, ROSE JEFFRIES, Vassar College, Poughkeepsie, N. Y.

Fellow in English, 1907-08. A.B., Mississippi State College for Women, 1891. Ph.D., Bryn Mawr College, 1911. University of Chicago, Summer, 1897, 1898, 1905; Harvard University, Summer, 1902; Columbia University, Summer, 1903; Graduate Student in English, Bryn Mawr College, 1906-07, and Graduate Scholar and Fellow by Courtesy in English, 1908-09; Special Research Scholar and Student, British Museum and Bodleian Library, Oxford, Summer, 1909; Instructor in English, Vassar College, 1909-14.

PERKINS, ELIZABETH MARY, See page 27.

Fellow in Latin, 1902-03.

- PERRY, LORINDA**,.....Melvin, Ill.
Fellow in Economics and Politics, 1911-13. A.B., University of Illinois, 1909, and A.M., 1910. Radcliffe Fellow, Women's Educational and Industrial Union, Boston, Mass., 1910-11.
- PETTY, MARY**,.....211 South Ashe Street, Greensboro, N. C.
Fellow in Chemistry, 1895-96. S.B., Wellesley College, 1885. Teacher of Latin, Guilford College, 1888-93; Teacher of Chemistry and Physics in the State Normal and Industrial College, Greensboro, 1893-95, and 1896-99, and Head of Department of Chemistry, 1899-1914.
- PINNEY, MARY EDITH**,.....See page 21.
Fellow in Biology, 1910-11.
- POTTS, LAURETTE EUSTIS**,.....155 East 22nd Street, New York City.
Fellow in English, 1899-1900. Mistress of Pembroke Hall East, Bryn Mawr College, 1895-96. A.B., Bryn Mawr College, 1897, group, Latin and English. Sorbonne and Collège de France, 1896-97, Graduate Student, Bryn Mawr College, 1897-98, Reader in English, 1897-99; Student, University of Munich, 1900-01.
Married, 1905, *Mr. Lewis Frederic Pease*.
- PURDIE, ELEANOR**,.....Ortler, Prestbury, Gloucestershire, England.
Fellow in Greek, 1895-96. Newnham College, University of Cambridge, England, 1890-94; Classical Tripos, Part I, First Class, 1893; Part II, 1894; Ph.D., University of Freiburg, 1897. Holder of the Marion Kennedy Studentship, and Student in Indo-European Philology, University of Freiburg, 1894-95; Classical Mistress in the Notting Hill High School, London, 1897-98; Head Classical Tutor, Cheltenham Ladies' College, Cheltenham, England, 1898-1913.
- RABOURN, SARA BREWER FRANCIS**,.....Centralia, Mo.
Fellow in Mathematics, 1906-07. A.B., University of Missouri, 1902, and A.M., 1904. Scholar in Mathematics, University of Missouri, 1903-04; Assistant Principal and Teacher of Mathematics in the High School, Fredericktown, Mo., 1907-08, and Principal 1908-09; Head of the Mathematical Department in the High School, Hannibal, Mo., 1909-11; Student, American School of Classical Studies, Rome, Winter Term, 1911-12, and Newnham College, Cambridge, England, Spring Term, 1912; Instructor in Mathematics, State Normal School, Springfield, Mo., 1913; and in the Polytechnic High School, Santa Ana, Cal., 1913-14.
- RAGSDALE, VIRGINIA**,.....See page 27.
Fellow in Mathematics, 1902-03.
- RAND, MARIE GERTRUDE**,.....See page 12.
Fellow in Philosophy, 1909-10, and Fellow in Psychology, 1910-11.
- RANDOLPH, HARRIET**,
Care of Morgan, Harjes & Co., 31 Boulevard Haussmann, Paris, France.
A.B., Bryn Mawr College, 1889; Ph.D., University of Zürich, 1892. Fellow in Biology, Bryn Mawr College, 1889-90; University of Zürich, 1890-92; Graduate Student, Bryn Mawr College, 1896-97, 1912-13, Demonstrator in Biology, 1892-1913, and Reader in Botany, 1893-1913; Travelling, 1913-14.
- REED, BERTHA**,.....Missoula, Mont.
Fellow in Teutonic Philology, 1906-07. Illinois Woman's College, 1893-96; Ph.B., De Pauw University, 1898, and A.M., 1900; Ph.D., University of Chicago, 1913. University of Berlin, Winter Semester, 1902-03. University of Zürich, 1903, 1903-04; Instructor in German, Bradley Polytechnic Institute, Peoria, Ill., 1907-09.
Married, 1909, *Mr. George Raleigh Coffman*.
- REED, MARGARET ADALINE**,.....1931 East 31st Street, Baltimore, Md.
Fellow in Biology, 1908-09. A.B., Woman's College of Baltimore, 1901. Graduate Student in Biology, Bryn Mawr College, 1901-03, and Graduate Scholar, 1902-03. Wood's Holl Laboratory, Summers of 1900 and 1902; Assistant in Zoological Laboratory, Columbia University, 1903-05; University of Zürich, Summer, 1906; Assistant in Zoology, Columbia University, 1903-06; Lecturer in Physiology, New York Medical College for Women, and Barnard College, 1904-07; Instructor in Biology, Barnard College, 1907-08; Student in Berlin Königliches Institut für Infektionskrankheiten, Summer, 1908; Research Work in Johns Hopkins University Medical Department, 1910-11, 1913-14; Instructor in Anatomy and Physiology, Johns Hopkins Training School for Nurses, Spring Semester, 1911-12.
Married, 1910, *Dr. Warren H. Lewis*.

REIMER, MARIE, See page 27.
Fellow in Chemistry, 1899-1900, 1901-02.

REYNOLDS, GRACE POTTER, Stamford, Conn.
Fellow in Chemistry, 1908-09. A.B., Smith College, 1904; A.M., Columbia University, 1905; Ph.D., Bryn Mawr College, 1911, subjects, Organic Chemistry, Physical and Inorganic Chemistry and Physics. Graduate Student, Columbia University, 1904-05; Assistant in Chemistry, Barnard College, 1906-08; Graduate Student, Bryn Mawr College, 1909-10; Research Worker in Chemistry, Barnard College, 1910-12.
Married, 1913, *Mr. Winthrop Merton Rice*.

REYNOLDS, MINNIE BEATRICE,
307 N. Mountain Avenue, Upper Montclair, N. J.
Fellow in Greek, 1897-98. A.B., University of California, 1895, and A.M., 1897. Instructor in Greek and Latin in the High School, Centerville, Cal., 1896-97; Fellow by Courtesy in Greek, Bryn Mawr College, 1898-99; Teacher of Latin in the Misses Shipley's School, Bryn Mawr, Pa., 1898-99; Instructor in Latin, Vassar College, 1899-1900; Instructor in Greek in the High School, Los Angeles, Cal., 1900-01; Teacher of Greek and Latin in the High School, San Francisco, 1901-03.
Married, 1903, *Mr. James A. Kinkead*.

RITCHIE, MARY HELEN, Died, 1905.
Fellow in Latin, 1898-99. A.B., Bryn Mawr College, 1896, group, Greek and Latin. A.M., 1897, and Ph.D., 1902, subjects, Latin and Greek. Graduate Scholar in Greek and Latin, Bryn Mawr College, 1896-97, Graduate Student, 1897-98; Secretary of Bryn Mawr College, 1899-1904.

ROCK, AMY CORDOVA, 1455 Belmont Street, Washington, D. C.
Fellow in Chemistry, 1894-95. A.B., Bryn Mawr College, 1893, group, Physics and Chemistry. Assistant in Chemical Laboratory and Graduate Student, Bryn Mawr College, 1893-94; Student, University of Heidelberg, 1895-96; and University of Berlin, 1896-97; President, Washington Branch of the Association of Collegiate Alumnae, 1909-10.

Married, 1899, *Mr. Frederick Leslie Ransome*.

ROE, ADAH BLANCHE, See page 17.
Fellow in German, 1912-13.

SALMON, LUCY MAYNARD, Poughkeepsie, N. Y.
Fellow in History, 1886-87. A.B., University of Michigan, 1876, and A.M., 1883. Teacher of History in the Indiana State Normal School, 1883-86; Associate Professor of History, Vassar College, 1887-89, and Professor of History, 1889-1914.

SANDISON, HELEN ESTABROOK, See page 27.
Fellow in English, 1908-09.

SATTERTHWAITE, SARAH E., 2037 Franklin Avenue, Toledo, O.
Fellow in Greek, 1886-87. A.B., University of Michigan, 1886. Assistant in Greek and Latin, Hope College, Holland, Mich., 1887-88; Private Tutor in Greek and Latin, 1898-1900.
Married, 1890, *Dr. Francis Alexander Leslie*.

SCHAEFFER, HELEN ELIZABETH, See page 27.
Fellow in Physics, 1904-05.

SCHENCK, EUNICE MORGAN, See page 28.
Fellow in Romance Languages, 1912-13.

DE SCHWEINITZ, AGNES JULIA,
11 Cummings Apartments, First and D Streets, Salt Lake City, Utah.
Fellow in Teutonic Philology, 1902-03. A.B., Bryn Mawr College, 1899, group, German and French, and A.M., 1900. Graduate Scholar in Teutonic Philology, Bryn Mawr College, 1899-1900; Teacher of German in the Portland School, Portland, Ore., 1900-01; University of Leipsic, 1901-02; Teacher of German in the Bryn Mawr School, Baltimore, Md., 1903-08.
Married, 1908, *Mr. Edward Robins Zalinski*.

SEWALL, HANNAH ROBIE, Forest Glen, Md.
Fellow in History, 1888-89. A.B., University of Minnesota, 1884, and Ph.D., 1898; A.M., University of Michigan, 1887. Fellow by Courtesy in History, Bryn Mawr College, 1889-90; Assistant in Political Science, University of Minnesota, 1893-1901; Assistant, Boston Children's Aid Society, 1904-07.

SHAPIRO, REBECCA, Marshfield, Wis.

Fellow in Romance Languages, 1900-01. L.B., University of Wisconsin, 1898, and L.M., 1900. Graduate Student, University of Wisconsin, 1899-1900; Assistant Principal of the High School, Grand Rapids, Wis., 1902-03.

Married, 1904, *Mr. Richard Strauss*.

SHEARER, EDNA ASTON, See page 28.

Junior Fellow in Philosophy, 1904-05; Fellow in Philosophy, 1906-07.

SHEAVYN, PHOEBE, A.B.,

Ashburne Hall, Fallowfield, Manchester, England.

Fellow in English, 1895-96. Scholar, University College of Wales, Aberystwyth, Wales, 1887-89, and 1892-94; B.A., University of London, 1889; M.A., 1894, and D.Litt., 1906. Member of Governing Court of University of Wales; Member of Senate of University of Manchester; Reader in English, Bryn Mawr College, 1894-95; Lecturer and Tutor in English Literature to the Association for Promoting the Education of Women in Oxford, England, 1896-1905; Resident Tutor and Lecturer in English, Somerville College, University of Oxford, England, 1897-1905; Member of Governing Committee of Women's University Settlement, Southwark, London, 1900-07; Senior Tutor for Women Students, University of Manchester, Warden of Women's Hall of Residence and Lecturer in English Literature, 1907-14.

SHOEMAKER, JANE CUSHING, Died, 1910

Fellow in Economics and Politics, 1909-10. A.B., Bryn Mawr College, 1905, group, History and Economics and Politics, and A.M., 1910. Graduate Student, Bryn Mawr College, 1907-08.

SHUTE, HELEN WINIFRED, 331 Hammond Street, Bangor, Me.

Fellow in Teutonic Philology, 1893-94. A.B., Smith College, 1887. Assistant in German, Smith College, 1887-93; Fellow by Courtesy in Teutonic Philology, Bryn Mawr College, 1894-95; Student in Teutonic Philology, University of Göttingen, 1895-99; Alumnæ Trustee of Smith College, 1902-05.

Married, 1900, *Professor Warren J. Moulton*.

SINCLAIR, ALICE, Wailuku, Maui, H. I.

Fellow in Teutonic Philology, 1903-04. Ph.B., Oberlin College, 1889. Teacher of German and Science in the Kent Place School, Summit, N. J., 1900-02; Student, University of Marburg, 1902-03; Teacher of German and English, Brockport State Normal School, Brockport, N. Y., 1904-05, and of French and German, 1905-06.

Married, 1906, *The Rev. Rowland Backus Dodge*.

SMITH, AMELIA CATHERINE, 4515 Regent Street, Philadelphia.

Fellow in Biology, 1900-01. S.B., University of Pennsylvania, 1899. Graduate Scholar in Biology, Bryn Mawr College, 1899-1900; Demonstrator in Zoology, University of Pennsylvania, 1901-02; Graduate Student, University of Pennsylvania, 1904-06.

Married, 1901, *Mr. Philip Powell Calvert*.

SMITH, EUNICE CLARA, 395 South River Street, Wilkes Barre, Pa.

Fellow in English, 1909-10. A.B., Brown University, 1907, and A.M., 1909. Graduate Student, Bryn Mawr College, 1910-11; Teacher of French in Wilkes Barre Institute, Wilkes Barre, Pa., 1911-13; Student of Music, 1911-13.

SMITH, EVA MARIA, The Ladies' College, Cheltenham, England.

Fellow in Mathematics, 1908-09. Newnham College, University of Cambridge, 1904-08, Graduate in Honours, First Class, Cambridge Mathematical Tripos, Part I, 1907, and Part II, 1908; Lecturer in Mathematics at the Ladies' College, Cheltenham, 1910-13.

SMITH, LOUISE PETTIBONE, Winchester Centre, Conn.

Fellow in Semitic Languages, 1912-13. A.B., Bryn Mawr College, 1908. Instructor in Hardin College, Mexico, Mo., 1908-11. Graduate Scholar in Semitic Languages, Bryn Mawr College, 1911-12; Thayer Fellow and Student, American School of Oriental Studies in Jerusalem, 1913-14.

SMITH, MINNA STEELE, Newnham College, Cambridge, England.

Fellow in Teutonic Philology, 1894-96. Newnham College, University of Cambridge, 1890-94; Mediæval and Modern Languages Tripos, First Class, 1893. Assistant Lecturer in English, Newnham College, 1896-98; Staff Lecturer in Mediæval and Modern Languages, Newnham College, 1898-1913, and Director of Studies in Mediæval and Modern Languages, 1905-13; Lecturer in English, Girton College, University of Cambridge, 1898-1903, and 1906-12.

- SOUTHWORTH, EFFIE A.**, Loma Linda, Cal.
Fellow in Biology, 1885-86. S.B., University of Michigan, 1885. Student Assistant in the Biological Laboratory, Bryn Mawr College, 1886-87; Assistant Mycologist of the United States Agricultural Bureau, Washington, D. C., 1887-92; Assistant in Botany, Barnard College, 1892-95; Working for the Carnegie Institution, Washington, 1910-11.
Married, 1896, *Mr. Volney Morgan Spalding*.
- SPALDING, MARY CAROLINE**, Fairmont Seminary, Washington, D. C.
Fellow in English, 1910-11. A.B., Vassar College, 1901. Graduate Student, Bryn Mawr College, 1906-08, and Graduate Scholar, 1908-10; Fellow by Courtesy, and Graduate Scholar, 1911-12; Teacher in the Misses Shipley's School, Bryn Mawr, 1901-10, and Assistant to the Misses Shipley and Tutor, 1912-13; Head of Department of English, Fairmont Seminary, 1913-14.
- SPENCER, FANNIE GRACE CLARA**, 1811 S. Third Street, Terre Haute, Ind.
Research Fellow in Chemistry, 1909-10. B.S., University of Illinois, 1908, and A.M., 1909. Teacher of Science and Bookkeeping in the East Chicago High School, 1910-11.
- SPRAY, RUTH GLADYS**, 1117 Kentucky Street, Lawrence, Kan.
Fellow in Biology, 1912-13. A.B., Kansas State University, 1911. Graduate Scholar in Biology, Bryn Mawr College, 1911-12.
- STEVENS, NETTIE MARIA**, See page 28.
Fellow in Biology, 1902-03.
- STEWART, ANNE AMELIA**, 28 South Street, Halifax, N. S.
Fellow in Mathematics, 1886-87. University College, London, 1880-82; B.Sc., Dalhousie College, 1886. Teacher of Mathematics in Miss Mary E. Stevens's School, Germantown, Philadelphia, 1888-93, 1895-96; Student in Mathematics and Physics, Newnham College, University of Cambridge, England, 1893-95; Teacher of Mathematics in the Stevens' School, Germantown, 1896-99; Private Tutor, 1900-03, 1908-09; Teacher of Mathematics, St. Margaret's College, Toronto, Canada, 1903-04; Teacher of Mathematics, Miss Knox's School, Briarcliff Manor, N. Y., 1905-06.
- STOCKING, RUTH JENNINGS**, Johns Hopkins University, Baltimore, Md.
Fellow in Biology, 1911-12. A.B., Goucher College, 1910. Graduate Student, Johns Hopkins University, 1910-11, 1913-14, and Fellow in Zoology, 1912-13; Alice Freeman Palmer Research Fellow of Wellesley College, 1913-14.
- STREET, JENNETTE ATWATER**, 47 Lakeview Avenue, Cambridge, Mass.
Fellow in Latin, 1895-96. A.B., University of Toronto, 1895. Teacher of Classics, St. Margaret's College, Toronto, Canada, 1897-1901; Suffrage Worker, 1912-14.
Married, 1901, *Professor Edward C. Jeffrey*.
- SWEET, MARGUERITE**, 250 West 72nd Street, New York City.
Fellow in English, 1891-92. A.B., Vassar College, 1887; Ph.D., Bryn Mawr College, 1892, subjects, English and Teutonic Philology. Graduate Student in Teutonic Philology and English, Bryn Mawr College, 1889-90, Graduate Scholar in Teutonic Philology, 1890-91; Instructor in English, Vassar College, 1892-97; Professor of English Literature, Mt. Holyoke College, 1897-99; Teacher of English in the Misses Ely's School, New York City, 1899-1905; Principal of the Hawthorne School, New York City, 1906-13.
- SWINDLER, MARY HAMILTON**, See page 28.
Fellow in Greek, 1907-09.
- TAYLOR, LILY ROSS**, Vassar College, Poughkeepsie, N. Y.
Fellow in Latin, 1907-08. A.B., University of Wisconsin, 1906. Ph.D., Bryn Mawr College, 1913, subjects Latin and Classical Archæology. Student, University of Bonn and American School of Classical Studies, Rome, 1909-10; Graduate Scholar in Latin, Bryn Mawr College, 1906-07; Graduate Student in Greek and Latin, and Reader in Latin, 1908-09; Reader and Demonstrator in Archæology, 1910-12; Instructor in Latin, Vassar College, 1912-14.
- THOMPSON, CHARLOTTE DE MACKLOT**, The Terraces, Camden, S. C.
Fellow in Romance Languages, 1896-97. A.B., Bryn Mawr College, 1896, group, Greek and French, and A.M., 1897.
- THOMPSON, FRANCES D'ARCY**,
Jumna Bridge, Hamirpur, United Provinces, India.
Fellow in Greek, 1911-12. Girton College, University of Cambridge, England, 1903-06. Graduate in Honours, First Class, Classical Tripos, Part I, 1906. M. A., Royal Uni-

versity of Ireland, 1907; Examiner in Latin, Royal University of Ireland, 1907-08; Classical Mistress in the High School, Portsmouth, England, 1906-08; Classical Teacher, Rosemary Hall, Greenwich, Conn., 1908-10; Reader in Latin, and Graduate Student, Bryn Mawr College, 1910-11.

Married, 1912, *Mr. Robert J. Hallidy.*

TIBBALS, KATE WATKINS,.....Clinton, Conn.

Fellow in English, 1901-02. A.B., Wellesley College, 1899; Ph.D., University of Pennsylvania, 1904. Graduate Scholar in English, Bryn Mawr College, 1900-01; Fellow in English, University of Pennsylvania, 1902-03, and University Fellow, 1903-04; Instructor in English, Wellesley College, 1904-05; Instructor in English Literature, Vassar College, 1905-09; Associate Professor of English, Wells College, 1909-12.

TORELLE, ELLEN,.....151 West Wilson Street, Madison, Wis.

Fellow in Biology, 1903-04. Ph.B., University of Minnesota, 1901, and A.M., 1902. Graduate Scholar, Bryn Mawr College, 1902-03; Dean of Milwaukee-Downer College and Professor of Biology, 1905-08; Scholar of the Naples Table Association for Promoting Scientific Research by Women, 1909; Research Worker in Biology, 1912-13.

Married, 1912, *Mr. Lewis Bernard Nagler.*

TOWLE, ELIZABETH WILLIAMS,...The Baldwin School, Bryn Mawr, Pa.

Fellow in Biology, 1899-1900. A.B., Bryn Mawr College, 1898, group, Chemistry and Biology, and A.M., 1899. Graduate Scholar in Physics and Biology, Bryn Mawr College, 1898-99; Teacher of Science in the High School, Middletown, Conn., 1900-01; Instructor in Biology, Rockford College, Rockford, Ill., 1901-03; Fellow in Physiology, University of Chicago, 1903-04; Graduate Student, Columbia University, 1904-06; Teacher of Physiology in Miss Jacobi's School, New York City, 1904-05; Teacher of Science in the Baldwin School, Bryn Mawr, 1907-14.

TRAYER, HOPE,.....See page 28.

Fellow in English, 1903-04.

URDAHL, MARGERETHE,.....Charleston, Ill.

Fellow in Teutonic Philology, 1900-02, and Special Fellow in Teutonic Philology, 1902-03, L.B., University of Wisconsin, 1896, and Ph.D., Bryn Mawr College, 1904, subjects, Teutonic Philology, German Literature and Sanscrit. Student, University of Berlin, 1898 and 1899; University of Heidelberg, Summer Term, 1899; University of Christiania, October, 1899; Teacher of German and Latin in the Chelton Hills School, Wyncote, Pa., 1903-04; Teacher of German and History, Eastern Illinois State Normal School, Charleston, Ill., 1905-06.

Married, 1906, *Mr. Lewis Albert Anderson.*

VAN DEMAN, ESTHER BOISE, 2514 Thirteenth Street, Washington, D. C.

Fellow in Latin, 1892-93. A.B., University of Michigan, 1891, and A.M., 1892; Ph.D., University of Chicago, 1898. Instructor in Latin, Wellesley College, 1893-95; Teacher of Latin in the Bryn Mawr School, Baltimore, Md., 1895-96; Fellow in Latin, University of Chicago, 1896-98; Acting Professor of Latin, Mt. Holyoke College, 1898-99, and Associate Professor of Latin, 1899-1901; American School of Classical Studies, Rome, 1901-03; Associate Professor of Latin, the Woman's College, Baltimore, 1903-06; Fellow in Classical Archaeology of the Carnegie Institution, Rome, 1906-09, and Research Associate of the Carnegie Institution of Washington, 1910-13.

WADDELL, MARY EVELYN GERTRUDE,.....Orono, Ontario, Canada.

Fellow in Mathematics, 1904-05. A.B., University of Toronto, 1903, and A.M., 1904. Graduate Scholar in Mathematics and Physics, Bryn Mawr College, 1903-04; Instructor in Mathematics in St. Margaret's College, Toronto, 1906-12, and Graduate Student, University of Toronto, 1906-11.

WALKER, ANNA MARTHA, 1136 South Alvarado Street, Los Angeles, Cal.

Fellow in Latin, 1905-06. A.B., Bryn Mawr College, 1895, group, Greek and Latin; A.M., Leland Stanford, Jr., University, 1901. Teacher of English in the National Institute for Girls, Guatemala City, Central America, 1896-97; Graduate Student, Leland Stanford, Jr., University, 1897-98, 1900-01; Graduate Student, Bryn Mawr College, Second Semester, 1898-99; Teacher in the Misses Wyllie's School, Mt. Holly, N. J., 1899-1900; Teacher of Latin and French in the High School, Ogden, Utah, 1901-02, and Teacher of Latin and Spanish, 1902-04; Student, American School of Classical Studies, Rome, 1904-05; Teacher of Greek in the High School, Los Angeles, Cal., 1906-13.

WARREN, WINIFRED,.....See page 29.

Fellow in Latin, 1893-94.

WEEKS, EULA ADELINE, Butler, Mo.

Fellow in Mathematics, 1909-10. A.B. and B.S., University of Missouri, 1908, and A.M., 1909. Teacher in the High School, Rich Hill, Mo., 1901-05; Teacher of Mathematics in the Misses Shipley's School, and Graduate Student in Mathematics, Bryn Mawr College, 1910-12; Instructor in Mathematics, Mt. Holyoke College, 1912-13; Assistant in Mathematics, University of Missouri, 1913-14.

WERGELAND, AGNES MATHILDE, Laramie, Wyo.

Fellow in History, 1890-91. Studied under the Direction of Prof. Konrad Maurer, Munich, 1884-86; University of Zürich, 1888-90; Ph.D., University of Zürich, 1890. Reader in History of Art, Bryn Mawr College, 1891-93; Docent in History, University of Chicago, 1896-1902, and Non-Resident Reader in History, University Extension Division, 1903-05, and Non-Resident Instructor, 1906-09; Professor of History and French, University of Wyoming, 1902-09, and of History and Spanish, 1909-12.

WHITE, FLORENCE DONNELL, Vassar College, Poughkeepsie, N. Y.

Fellow in French, 1907-08. A.B., Mt. Holyoke College, 1903, and A.M., 1907. Student, University of Paris, 1903-04; Graduate Scholar in Romance Languages, Bryn Mawr College, 1906-07; Instructor in French, Vassar College, 1908-14.

WILKINSON, ANNIE LYNDESAY,

623 Westview Street, Germantown, Philadelphia.

Fellow in Mathematics, 1899-1900. A.B., Vassar College, 1897, and A.M., 1898. Graduate Scholar, Vassar College, 1897-98. Babbott Fellow of Vassar College, and Graduate Scholar in German and Mathematics, Bryn Mawr College, 1898-99; Instructor in Mathematics, Vassar College, 1900-02.

Married, 1902, *Dr. Joseph Head*.

WILLIAMS, ELLA CORNELIA, 609 West 127th Street, New York City.

Fellow in Mathematics, 1885-86. A.M., University of Michigan, 1880. Studied under Professor Schwarz, Göttingen, Germany, 1883-85; Newnham College, University of Cambridge, England, Spring Term, 1884; Teacher of Mathematics in Miss Moses's School, New York City, 1886-87; Teacher of Mathematics in the State Normal School, Plymouth, N. H., 1887-89; Teacher of Mathematics in Miss Spence's School, New York City, 1892-1914.

WILLIS, GWENDOLEN BROWN, 941 Lake Avenue, Racine, Wis.

Fellow in Greek, 1902-04. A.B., University of Chicago, 1896, Ph.D., Bryn Mawr College, 1906, subjects, Greek and Archæology. Graduate Student, University of Chicago, 1900-01; American School of Classical Studies, Athens, 1901-02; Professor of Greek, Milwaukee-Downer College, and Teacher of Latin in Milwaukee-Downer Seminary, 1904-13; Student in Columbia University, on leave of absence, 1910-11.

WINSTON, MARY FRANCES, 1620 Massachusetts Street, Lawrence, Kan.

Fellow in Mathematics, 1891-92. A.B., University of Wisconsin, 1889; Ph.D., University of Göttingen, 1897; Teacher of Mathematics, Downer College, 1889-91; Honorary Fellow in Mathematics, University of Chicago, 1892-93; Holder of the European Fellowship of the Association of Collegiate Alumnae, 1895-96; Student in Mathematics, University of Göttingen, 1893-96; Professor of Mathematics, Kansas State Agricultural College, 1897-1900.

Married, 1900, *Mr. Henry Byron Newson* († 1910).

WOOD, IDA, 2038 Spring Garden Street, Philadelphia.

Fellow in English, 1888-89. A.B., Vassar College, 1877, and A.M., 1889; Ph.D., Bryn Mawr College, 1891. Graduate Student in English, Bryn Mawr College, 1887-88, 1889-90, and Fellow by Courtesy in English, 1890-91; Secretary of the Woman's Department, University of Pennsylvania, 1892-93; Secretary of the Bryn Mawr School, Baltimore, Md., 1894-96.

SUMMARY OF FELLOWSHIPS AWARDED.

EUROPEAN FELLOWSHIPS.	Founded.	Number of Holders.
Bryn Mawr European.....	By the Trustees in 1885.....	24
Mary E. Garrett European.....	By Miss Garrett in 1904.....	18
President M. Carey Thomas European.....	By Miss Garrett in 1896.....	16
Anna Ottendorfer Memorial Research Fellowship in Teutonic Philology.....	By Mrs. Anna Woerishoffer in 1907.....	4
Bryn Mawr Research, given by anonymous donor in 1906.....		1
Special European, given by anonymous donor in 1909.....		1

Total number of European Fellows, omitting duplicates.....63

RESIDENT FELLOWSHIPS.	Founded by the Trustees in	Number of Holders.
In Greek.....	1885.....	24**††
In Latin.....	1892.....	20
In English.....	1885.....	24*§
In Teutonic Philology.....	1893.....	14††
In Romance Languages.....	1893.....	14§
In Semitic Languages.....	1912.....	1
In History or Economics and Politics.....	1885.....	26§
In Economics and Politics.....	1912.....	1§
In Philosophy or Psychology.....	1896.....	9§§
In Archæology.....	1909.....	2§
In Mathematics.....	1885.....	23§
In Physics.....	1896.....	12
In Chemistry.....	1893.....	16††
In Geology.....	1912.....	1
In Biology.....	1885.....	22
Research Fellowship in Chemistry.....	1907.....	3†

Total number of Resident Fellows, omitting duplicates.....206

Total.....269‡

* Two students have held Fellowships in English who also held Fellowships in other subjects.

† Two of these students previously held a Fellowship in Chemistry.

‡ Of these thirty-one have held both European and Resident Fellowships.

§ One student held this Fellowship for two years.

** One of these students previously held a Fellowship in Latin and one a Fellowship in English.

†† Two students held this Fellowship for two years.

§§ Three students held this Fellowship for two years.

BRYN MAWR COLLEGE.

GRADUATE COURSES OF INSTRUCTION.

BRYN MAWR COLLEGE, situated at Bryn Mawr, Pennsylvania, five miles from Philadelphia, was endowed by Dr. Joseph W. Taylor of Burlington, New Jersey, who purposed founding an institution of learning for the advanced education of women which should afford them "all the advantages of a college education that are so freely offered to young men." In the spring of 1885 the first program was issued, and the college opened for instruction in the following autumn.

Three classes of persons are admitted to the lectures and class work of the college—graduate students, undergraduate students, and hearers. For the convenience of graduate students the regulations of the graduate department and the graduate courses of instruction are published separately. No undergraduates are admitted to graduate courses.

Regulations of the Graduate Department.

From the first it has been the policy of the Trustees of Bryn Mawr College to organise no department in which they could not provide for graduate as well as undergraduate study. Only such instructors have been chosen as are qualified to direct both graduate and undergraduate work. In each department a consecutive series of graduate courses pursued throughout three years provides preparation in the chief or major subject of the examination for the degree of Doctor of Philosophy, and certain courses may be pursued for one or two years and offered as one of the two minor or secondary subjects.

Admission.

Graduate students must have presented a diploma from some college of acknowledged standing.* They may pursue any

* The certificates of the women's colleges of the English universities of Oxford and Cambridge, are regarded as equivalent to a first degree,—i. e., to the degree of Bachelor of Arts.

courses offered by the college for which their previous training has fitted them; but they must satisfy the several instructors of their ability to profit by the courses they desire to follow, and may be required to pursue certain introductory or auxiliary studies before they are admitted to the advanced or purely graduate courses. They are, moreover, entitled to personal guidance and direction, supervision of their general reading and furtherance of their investigations, from the instructors, and their needs will be considered in the arrangement of new courses of lectures; they must consult the President in regard to the courses they are to pursue, and must be duly registered for those courses at the President's office.

A reading knowledge of French and German is regarded as of the utmost importance to all graduate students, and is required of all candidates for a second degree. The undergraduate department will afford the student every opportunity for making good any deficiencies in this respect.

Fellowships and Scholarships.

The most distinguished place among the graduate students is held by the Fellows, who must reside in the college during the academic year. Fifteen resident fellowships, of the value of five hundred and twenty-five dollars each, are awarded annually in Greek, Latin, English, German and Teutonic Philology, Romance Languages, Semitic Languages and Biblical Literature, History, Philosophy, Archæology, Mathematics, Physics, Chemistry, Geology, and Biology, and the Justus C. Strawbridge Fellowship in Economics and Politics. They are open for competition to graduates of Bryn Mawr College, or of any other college of good standing, and will be awarded only to candidates who have completed at least one year of graduate work after obtaining their first degree. The fellowships are intended as an honor, and are awarded in recognition of previous attainments; generally speaking, they will be awarded to the candidates that have studied longest or to those whose work gives most promise of future success.

The holder of a fellowship is expected to devote at least one half her time to the department in which the fellowship is awarded, and to show, by the presentation of a thesis or in

some other manner, that her studies have not been without result.

The Helen Schaeffer Huff Memorial Research Fellowship of the value of seven hundred and fifty dollars, founded in 1913, is awarded annually to a student pursuing advanced graduate work in either Physics or Chemistry, to be held during one year's work at Bryn Mawr College.

Applicants for the fellowship must be students who have done advanced graduate work at Bryn Mawr College or at other colleges or universities. They must have shown distinct ability in their work and at the time of application must have in outline or actually in hand some definite piece of research work. The holder of the fellowship must do her major work under the direction of the Department of Chemistry or of the Department of Physics. In awarding the fellowship the ability of the applicant to do the best kind of research work will be considered. Where equally good candidates are considered, preference will be given to a student working on problems which may be considered to lie along the borderline between Chemistry and Physics. The fellowship may under exceptional circumstances be awarded in consecutive years to the same student, or the fellowship may be given to a graduate student working at Bryn Mawr College to be held during one year's work at some other American college or university if in the opinion of the Committee it is imperative for that student to go to some other college or university in order to complete an important piece of work.

All fellows may study for the degree of Doctor of Philosophy, the fellowship being counted, for this purpose, as equivalent to the degree of Bachelor of Arts. Fellows that continue their studies at the college after the expiration of the fellowship, may, by a vote of the directors, receive the rank of Fellows by Courtesy.

Fellows are expected to attend all college functions, to wear academic dress, to assist in the conduct of examinations, and to give about an hour a week to the care of special libraries in the halls of residence and in the seminaries, but no such service may be required of them except by a written request from the president's office; they are not permitted, while holding the

fellowship, to teach, or to undertake any other duties in addition to their college work. Fellows are required to reside in the college and are assigned rooms by the Secretary of the College. They are charged the usual fee of four hundred and five dollars for tuition, board, room-rent, and infirmary fee.

Twenty Graduate Scholarships, of the value of two hundred dollars each, may be awarded to candidates next in merit to the successful candidates for the fellowships; they are also open for competition to graduates of Bryn Mawr College, or of any other college of good standing. Scholars are expected to reside in the college, to attend all college functions, to wear academic dress and to assist in the conduct of examinations.

One Graduate Scholarship in Political Theory of the value of two hundred and fifty dollars was founded in 1910 in memory of Susan B. Anthony, and is awarded to the candidate wishing to devote herself to studies in political theory whose work shows most promise of future success.

Ten Graduate Scholarships, of the value of four hundred and five dollars each were founded in 1909 and are open, five to English, Scotch, or Irish women, and five to German women, whose academic work is equivalent to that denoted by the Bachelor's degree of an American college or university of acknowledged standing. Two graduate scholarships of the same value and open on the same conditions to women of French nationality were founded in 1913. The amount of the scholarship, four hundred and five dollars, covers the fees for tuition, board, residence, and infirmary fee for the academic year. A furnished single room is assigned to each scholar, but this is not available in the Christmas and Easter vacations when scholars who remain at the college have to pay the expenses of board and residence at approximately the same rate as is charged for graduate students during the academic year.

Application for resident fellowships or scholarships should be made as early as possible to the President of the College, and must be made not later than the fifteenth* of April preceding

* In the case of candidates for the Scholarships open to British and French women applications must be received by May the first. Applications for the scholarships should be accompanied by full particulars of the candidate's academic work by diplomas or certificates and by letters of recommendation from professors and should be addressed in

the academic year for which the fellowship or scholarship is desired. Blank forms of application will be forwarded to the applicants. A definite answer will be given within two weeks from the latest date set for receiving applications. Any original papers, printed or in manuscript, which have been prepared by the applicant and sent in support of her application, will be returned, when stamps for that purpose are enclosed, or specific directions for return by express are given. Letters or testimonials from professors and instructors will be filed for reference.

The Anna Ottendorfer Memorial Research Fellowship in German and Teutonic Philology of the value of seven hundred dollars applicable to the expenses of one year's study and residence at some German university is awarded annually to a graduate student who has completed at least one year of graduate study at Bryn Mawr College. The fellowship will be awarded to the candidate who has pursued the most advanced work, or whose studies afford the most promise of future success. She must show such proficiency in her studies or in independent work as to furnish reason to believe that she will be able to conduct independent investigations in the field of Teutonic Philology or German.

Two European fellowships, founded by Miss Garrett, of Baltimore, are open to graduate students who are enrolled as candidates for the degree of Doctor of Philosophy. One, founded in 1896, and named by the donor the President M. Carey Thomas Fellowship, is awarded annually on the ground of excellence in scholarship to a student in her first year of graduate work at Bryn Mawr College; the other, founded in 1894, and known as the Mary E. Garrett Fellowship, is awarded annually on the ground of excellence in scholarship to a student still in residence who has for two years pursued graduate studies at Bryn Mawr College. These fellowships, of the value of five hundred dollars each, are intended to defray the expenses of one year's study and residence at some foreign university, English or Continental. The choice of a university may be determined by the holder's own preference, subject to the approval of the Faculty.

the case of British and French candidates to the President of Bryn Mawr College, Bryn Mawr, Pennsylvania, U. S. A., and in the case of German candidates to Seiner Excellenz dem Herrn Staatssekretär des Innern, Reichsamt des Innern, Berlin, Germany, before April the first.

Studies Leading to a Second Degree.

Graduates of Bryn Mawr College, and graduates of other colleges, who shall have satisfied the Academic Council that the course of study for which they received a degree is equivalent to that for which the degree of Bachelor of Arts is given at Bryn Mawr College, or who shall have attended such additional courses of lectures as may be prescribed, may apply to the Academic Council to be enrolled as candidates for the degree of Doctor of Philosophy and Master of Arts; admission to the graduate school does not, in itself, qualify a student to become a candidate for this degree. A separate degree of Master of Arts is open to graduates of Bryn Mawr College, but to them only.

The Degree of Master of Arts.

The candidate for the degree of Master of Arts must be a Bachelor of Arts of Bryn Mawr College and must have studied for one full year in the graduate school of Bryn Mawr College, devoting herself to systematic advanced work approved by the Graduate Committee of the Academic Council. The candidate must submit her proposed course of study for the approval of this committee on or before the second Wednesday in November. She must pass a special written examination on each subject to the satisfaction of the department in which she has studied, and must announce her candidacy to the President not later than the first day of May in the academic year in which the degree is to be conferred.

The Degree of Doctor of Philosophy and Master of Arts.

The degree of Doctor of Philosophy and Master of Arts may be conferred upon graduates of Bryn Mawr College, and upon graduates of other colleges who shall have satisfied the Academic Council either that the course of study for which they received a degree is equivalent to that for which the degree of Bachelor of Arts is given by Bryn Mawr College, or that it has been adequately supplemented by subsequent study.

The candidate must have pursued for at least three years after having received the first degree a course of liberal (non-

professional) study at some college or university approved by the Academic Council, and must have spent at least two of these years at Bryn Mawr College. The course of study leading to the degree of Doctor of Philosophy and Master of Arts must consist of one principal, or major, subject and one or two subordinate, or minor, subjects and must be divided between at least two departments. Two-thirds of the candidate's time should be spent on the major subject and the remaining one-third on the minor subject or subjects, and the suggested combination of major and minor subjects for the final examination must have been submitted for approval to the Graduate Committee. The candidate may be required to pursue certain auxiliary studies in connection with the subject that she has elected; and the degree of Doctor of Philosophy is given to no one who cannot read French and German, or who is unacquainted with Latin. The candidate must have written, on some subject connected with her major subject of study, a dissertation approved by the Faculty that bears satisfactory evidence of original research and must pass written examinations and an oral examination in the presence of the members of the Faculty on both major and minor subjects. These examinations are held after the dissertation has been accepted by the department in which it is offered and must be taken within the academic year in which the candidate applies for the degree. The degree is not conferred until the candidate has satisfied the above requirements and deposited one hundred and fifty printed copies of her dissertation, bound according to a prescribed model, in the office of the Secretary of the College, and one copy specially bound for deposit in the library. The degree of Doctor of Philosophy will in no case be conferred by the college as an honorary degree.

Expenses.

For graduate students attending six or more hours a week of lectures, and for fellows and graduate scholars the tuition fee is one hundred and twenty-five dollars a year, payable half-yearly in advance. For other graduate students who do not wish to devote all their time to graduate work the fees

are as follows, payable in advance: for one hour a week of lectures, ten dollars a semester; for two hours a week of lectures, twenty dollars a semester; for three hours a week of lectures, thirty dollars a semester; and for four or five hours a week of lectures, forty dollars a semester.* This arrangement is made especially for non-resident graduate students, but those who wish to take five hours a week of lectures, or less may live in the college halls on the understanding that they must give up their rooms if needed for students who are taking the full amount of graduate work and paying the regular tuition fee. The tuition fee for the semester becomes due as soon as the student is registered in the college office. No reduction of this fee can be made on account of absence or for any other reason whatsoever. Graduate students are admitted to residence or to attendance on lectures at any time during the year, and in this case a proportionate reduction is made in the charges for board and room-rent and for tuition. Every student who enters the college must register immediately at the comptroller's office, and must register her courses at the president's office within two weeks after entrance under penalty of exclusion from the college. Any change made later in the courses registered must be reported immediately to the president's office, or the courses will not be permitted to count, and a charge of one dollar will be made for each change made in the course after it has been definitely registered.

Graduate students taking courses in scientific departments (Physics, Chemistry, Geology, Biology, and Psychology) amounting to six or more hours a week of lecture courses or its equivalent in laboratory courses are charged a laboratory fee of eighteen dollars a semester with the following exceptions: if the student takes, as a regular student, courses in subjects not enumerated above amounting to six hours a week the laboratory fee is reduced to twelve dollars a semester; and if she takes, as a regular student, courses in subjects not enumerated above amounting to ten hours a week the laboratory fee is reduced to six dollars a semester.

* The fees charged are reckoned on the basis of the actual hours of conference or lecture, irrespective of the number of undergraduate hours to which the course is regarded as equivalent.

In counting the number of hours for which a graduate is registered the following special arrangements are made in regard to laboratory courses: payment for a one hour lecture course in a scientific department entitles the student to four hours of laboratory work in addition with no extra charge except the laboratory fee. Students registered for laboratory work only, are charged the following tuition fee: for each two and one-half hours of undergraduate laboratory course and for each five hours of graduate laboratory course the same fee as for a one hour lecture course. The laboratory fees as stated on pages 57 to 58 are charged in addition to the charge for tuition.

Graduate students taking less than six hours a week of lectures, or its equivalent in laboratory work, are charged a laboratory fee of ten dollars a semester for every laboratory course of four or more hours a week, and of five dollars a semester for every laboratory course of less than four hours a week.

In courses in geology each hour of field work counts as one hour of laboratory work.

Residence.

Residence in the college buildings is optional except for holders of resident fellowships and scholarships. In each hall of residence, except Merion Hall, a special wing or corridor is reserved for graduate students, and in order to secure entire quiet no undergraduate students are permitted to engage rooms in the graduate wings. The expense of board and residence in the graduate wings of the college halls is two hundred and seventy-five dollars. Of this amount two hundred dollars is the charge for board, and is payable half-yearly in advance; the remainder is room-rent, and is payable yearly in advance. Every student has a separate bedroom. Room-rent includes all expenses of furnishing, service, heating, and light.

Plans and descriptions of the academic buildings and of the halls of residence, Merion Hall, Radnor Hall, Denbigh Hall, Pembroke Hall West, Pembroke Hall East, and Rockefeller Hall, with a full account of the halls and tariff of rooms, are published as Part 4 of the Bryn Mawr College Calendar and may be obtained by application to the Secretary of the College. Each of the halls of residence (except Pembroke, which has a common dining-hall and kitchen for the two wings) has its separate kitchen and dining-hall, provides accommodation for from sixty to seventy students, and is under the charge of a resident warden.

Application for rooms should be made as early as possible. The demand for graduate rooms is very great, and since every room unnecessarily reserved may prevent some other student from entering the college, a deposit of fifteen dollars is required in order that the application may be registered. In case the applicant enters the college in the year for which the room is reserved, the amount of the deposit is deducted from the first college bill. If she changes the date of her application or files formal notice of withdrawal at the secretary's office before July fifteenth of the year for which the application is made, the

deposit will be refunded. If, for any reason whatever, the change or withdrawal be made later than July fifteenth, the amount will be forfeited. Students making application for a room in February forfeit the deposit if they do not file formal notice of withdrawal at the secretary's office before December first of the academic year for which the room is reserved. In order to make application for a room it is necessary to sign a room-contract, which will be sent on application, and return it with the fee of fifteen dollars to the Secretary of the College. A deposit of fifteen dollars must also be made by each student in residence in order to insure the tenure of her room for the following academic year. This sum will be forfeited if formal notice of withdrawal is not filed at the secretary's office on or before May first of the current year.

Every applicant giving up later than the first of September the room or suite of rooms assigned to her for the ensuing academic year is responsible for the rent thereof for the whole year. Every applicant for a room in February will be responsible for the rent of the room or suite of rooms assigned to her for one semester, unless she gives formal notice of withdrawal to the Secretary before the first of January. The charges for room-rent are not subject to remission or deduction under any circumstances, being considered forfeit in case of withdrawal for any cause whatever. The applicant is not entitled to relet the rooms thus left vacant, but this right the college reserves to itself. No refund will be made to the applicant in case the room or suite of rooms thus left vacant is relet by the college. Any student who changes her room is required to pay an extra fee of fifteen dollars.

The health of the students is under the charge of a Health

Students are expected to provide their own rugs and towels, but in every other respect the rooms are completely furnished. Electric reading lamps, table napkins, sheets, etc., are provided by the college. No part whatever need be taken by the students in the care of their own rooms.

There are open fire-places in nearly all the studies and in many single rooms, but the rooms are sufficiently heated by steam. The air in each room is changed every ten minutes, and the temperature is regulated by a thermostat in each room. The students' personal washing may be done by any laundry recommended by the college for 50 cents a dozen, or about \$8 a half-year for one dozen pieces a week.

No charge is made for sending meals to students that are in the infirmary by the order of a physician.

Accommodation is provided for graduate students that wish to remain at the college during the Christmas and Easter vacations at \$1.50 a day or \$10.00 a week.

Committee consisting of the President, the Dean of the College, the Director of Athletics, the Senior Warden, and the physicians of the college.

The Assistant Physician of the College is in her office in the college during the hours from four to six of every afternoon, except Sunday, and may be consulted by the students without charge.

Every student entering the college will be vaccinated unless she can furnish satisfactory proof that she has been successfully vaccinated not more than two years previously.

The conduct of the students in all matters not purely academic, or affecting the management of the halls of residence, or the student body as a whole, is in the hands of the Students' Association for Self-Government, which was organised in 1892. All persons studying in Bryn Mawr College, whether graduates or undergraduates, are members of this association.

The college reserves the right to exclude at any time students whose conduct or academic standing renders them undesirable members of the college community, and in such cases the fees due to the college are not refunded or remitted.

In 1893 the Bryn Mawr Graduate Club was organised by the graduate students then in residence, its object being to further the social life of the graduate students and to facilitate interchange of opinion with other colleges and universities doing graduate work. A room in Denbigh Hall is set apart by the college to be used by the members as a club-room. Informal meetings are frequently held in these rooms, and several times during the year the club invites the Faculty and friends of the college to larger social gatherings, which are addressed by well-known speakers.

Summary of Expenses of Graduate Students.

Tuition for the semester, payable on registration:

For one hour* a week of lectures.....	\$ 10.00
For two hours a week of lectures.....	\$ 20.00
For three hours a week of lectures.....	\$ 30.00
For four or five hours a week of lectures.....	\$ 40.00
For six or more hours a week of lectures.....	\$ 62.50
Room-rent for the academic year, payable on registration.....	\$ 75.00
Board for the semester payable on registration.....	\$100.00

* See footnote page 57.

Total expenses for the academic year:

Tuition fee, for six or more hours a week of lectures.....	\$125.00
Room-rent.....	\$ 75.00
Board.....	\$200.00
Infirmary fee.....	\$ 5.00

Total for tuition, residence, and infirmary care for the academic year..	\$405.00
Laboratory fees for the academic year.....	\$10 to \$36

Students whose fees are not paid before November first in the first semester and before March first in the second semester are not permitted to continue in residence or in attendance on their classes.

THE STUDENTS' LOAN FUND OF BRYN MAWR COLLEGE was founded by the Class of 1890 for the purpose of receiving contributions, however small, from those who are interested in aiding students to obtain an education. The money thus contributed is distributed in the form of partial aid, and as a loan. It is as a rule applied to the assistance of those students only who have attended courses in the college for at least one year. The Fund is managed by a committee consisting of the President of the College and representatives of the Alumnae Association of Bryn Mawr College. The committee reports yearly to the Board of Trustees and to the Alumnae Association. The committee consists of the following members: President M. Carey Thomas; Miss Martha G. Thomas, Secretary and Treasurer, Bryn Mawr College; Miss Anne Hampton Todd, 2115 Spruce Street, Philadelphia; Mrs. Edward Wyatt Evans, 151 East Coulter Street, Germantown, Philadelphia; Miss Ethel Pew, Morris Avenue, Bryn Mawr, Pa., and Miss Kathrine Leonard Howell, 3307 Hamilton Street, Philadelphia. Contributions may be sent to any member of the committee. Applications for loans should be sent to the Treasurer of the committee, and all applications for loans for any given year should be made before May 1st of the preceding academic year.

Libraries.

The fact that the college is situated in the suburbs of Philadelphia enables the student to make use of all the resources of the libraries of Philadelphia, as well as those of the college proper.

The college library has been collected within the past twenty-nine years, and is designed to be, as far as possible, a library for special study. There are at present on its shelves about seventy-two thousand bound volumes, and ten thousand dissertations and pamphlets, the collection including the classical library of the late Professor Sauppe, of Göttingen, which was presented to the college in 1894, and the Semitic library of the late Professor Amiaud, of Paris, acquired in 1892. A more detailed description of these two collections may be found on pages 70 and 93.

The sum of about seven thousand dollars is expended yearly for books under the direction of the heads of the several col-

legiate departments, and, in addition to many gifts of books, about twenty thousand dollars has been presented to the library during the past ten years for expenditure in special departments. Over four hundred publications and reviews in the English, German, Greek, French, Italian, Spanish, Norse, and Swedish languages, are taken by the library, as follows:

General and Miscellaneous Periodicals.

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|---|---|
| <p>Abhandlungen der Königlichen Bayerischen Akademie der Wissenschaften zu München.
 Academy.
 American Magazine.
 *Amherst Graduates' Quarterly.
 Annales Politiques et Littéraires.
 Athenæum.
 Atlantic Monthly.
 *Bibliothèque de la Faculté des Lettres de l'Université de Paris.
 Bookman.
 Bookman (English).
 *Book News Monthly.
 Bookseller.
 *Bryn Mawr Alumnae Quarterly.
 Blätter des deutschen Theaters.
 Bulletin of Bibliography.
 *Bulletin of the New York Public Library.
 *Bulletin of the Pan-American Union.
 Century.
 Collier's Weekly.
 *Columbia University Quarterly.
 Contemporary Review.
 Country Life in America.
 La Cultura.
 Cumulative Book Index.
 Deutsche Rundschau.
 Dial.
 Drama.
 English Review.
 Everybody's Magazine.
 Fortnightly Review.
 Forum.
 Göttingische Gelehrte Anzeigen.
 Harper's Monthly Magazine.
 Harper's Weekly.
 Harvard Graduates' Magazine.
 L'Illustration.
 Index to Dates.
 Independent.
 Internationale Wochenschrift für Wissenschaft, Kunst u. Technik.</p> | <p>Jahresverzeichniss der an den deutschen Schulanstalten erschienenen Abhandlungen.
 *Johns Hopkins University, Circulars.
 Library Journal.
 Masses.
 McClure's Magazine.
 Mercure de France.
 *Mind and Body.
 Monthly Bulletin of the Carnegie Library of Pittsburgh.
 Münchener allgemeine Zeitung.
 Nachrichten von der Königlichen Gesellschaft der Wissenschaften, Göttingen.
 Nation.
 Neue Rundschau.
 Nineteenth Century.
 North American Review.
 Notes and Queries.
 Nuova Antologia.
 Outlook.
 *Pennsylvania Library Notes.
 Preussische Jahrbücher.
 Publishers' Weekly.
 Punch.
 Quarterly Review.
 Reader's Guide to Periodical Literature.
 Review of Reviews.
 Revue Critique d'Histoire et de Littérature.
 *Revue Critique des Livres Nouveaux.
 Revue de Paris.
 Revue des Deux Mondes.
 Revue Politique et Littéraire: Revue Bleue.
 Saturday Review.
 Scribner's Magazine.
 Sewanee Review.
 Sitzungsberichte der Königlichen Bayerischen Akademie der Wissenschaften.
 Sitzungsberichte der Königlichen Preussischen Akademie der Wissenschaften zu Berlin.</p> |
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Spectator.

Der Türmer.

*Tipyn o' Bob.

*University of California, Publications.

*University of Colorado, Studies.

*University of Missouri, Studies.

*University of Nebraska, Studies.

*University of Nevada, Studies.

*University of Texas, Studies.

*University of Washington, Studies
Westminster Review.

Die Woche.

World's Work.

Newspapers.

*Bryn Mawr Record.

New York Evening Post.

New York Times.

New York Tribune.

Philadelphia Public Ledger.

Art and Archaeology.

American Journal of Archæology.

Bulletin de Correspondance hellénique.

Bulletin of the Archæological Institute of
America.

*Bulletin of the Metropolitan Museum of
Art, New York.

Burlington Magazine.

Ephemeris Archæiologike.

Gazette des Beaux Arts.

Jahrbuch des Kaiserlich deutschen archäo-
logischen Instituts.

Jahresbericht über die Fortschritte der
classischen Alterthumswissenschaft.

Jahreshefte des österreichischen archäo-
logischen Instituts in Wien.

Journal of Hellenic Studies.

Mittheilungen und Nachrichten des Deut-
schen Palästina Vereins.

Mittheilungen des Kaiserlich deutschen
archæologischen Instituts, Athenische
Abteilung.

Mittheilungen des Kaiserlich deutschen
archæologischen Instituts, Römische
Abteilung.

*Museum of Fine Arts Bulletin, Boston.
Notizie degli Scavi di Antichità.

Revue Archéologique.

Zeitschrift des Deutschen Palästina
Vereins.

Economics and Politics.

*Advocate of Peace.

All Opinions of the U. S. Supreme Court.

Allgemeines statistisches Archiv.

American City.

American Economic Review.

American Federationist.

American Journal of Sociology.

American Labor Legislation Review.

American Political Science Review.

Annals of the American Academy of
Political and Social Science.

Bibliography of Social Science.

*Bulletin of the New York State Depart-
ment of Labor.

*Bulletin of the University of Wisconsin,
Economics and Political Science Series.

Case and Comment.

Charity Organization Review.

*City Club Bulletin.

Columbia Law Review.

Columbia Studies in History, Economics
and Public Law.

Economic Journal.

Economic Review.

Handbuch der öffentlichen Rechte.

Harvard Law Review.

International Socialist Review.

Jahrbücher für Nationalökonomie u.
Statistik.

Johns Hopkins University Studies in
Historical and Political Science.

Journal of Criminal Law.

Journal of Political Economy.

Journal of the Royal Statistical Society.

Political Science Quarterly.

Publications of the American Economic
Association.

Publications of the American Statistical
Association.

Quarterly Journal of Economics.

Revue Bibliographique.

*Southern Workman.

Survey.

*University of Missouri Studies, Social
Science Series.

*University of Pennsylvania Publications,
Series in Political Economy and Public
Law.

Vierteljahrschrift für Philosophie u. Soziologie.
Yale Review.

Zeitschrift für Socialwissenschaft.
Zeitschrift für Volkswirtschaft, Socialpolitik u. Verwaltung.

Education.

Education.
Educational Review
Educational Times.
Elementary School Teacher.
Journal of Educational Psychology.
Journal of Pedagogy.
*Journal of the Association of Collegiate Alumnae.
Lehrproben und Lehrgänge.
Manual Training Magazine.
Pädagogische Studien.

Pedagogical Seminary.
Revue Internationale de l'Enseignement Supérieur.
Revue Universitaire.
School Review.
*University of California Publications, Education.
Vocational Education.
Zeitschrift für Pädagogische Psychologie.
Zeitschrift für Schulgesundheitspflege

History.

American Historical Review.
*Bulletin of the University of Wisconsin, History Series.
English Historical Review.
Historical Manuscripts Commission, Reports.
Historische Vierteljahrschrift.
Historische Zeitschrift.
*Illinois State Historical Society Journal.
Jahresberichte der Geschichtswissenschaft.

Klio, Beiträge zur alten Geschichte.
Pennsylvania Magazine of History.
Révolution Française.
Revue des Etudes Napoléoniennes.
Revue des Questions Historiques.
Revue Historique.
*University of Pennsylvania Publications, Series in History.
*University of Toronto Studies, History and Economics.

Philology and Literature, Classical.

Bulletin Bibliographique et Pédagogique du Musée Belge.
Classical Journal.
Classical Philology.
Classical Quarterly.
Classical Review.
Classical Weekly.
Harvard Studies in Classical Philology.
Hermes.
Jahresbericht über die Fortschritte der Klassischen Altertumswissenschaft.
Journal of Hellenic Studies.
Journal of Roman Studies.
Le Musée Belge, Revue de Philologie Classique.

Mnemosyne.
Philologische Untersuchungen.
Philologus.
Quellen und Forschungen zur lateinischen Philologie.
Revue de Philologie.
Revue des Etudes Grecques.
Rheinisches Museum für Philologie.
Rivista di Filologia.
Studi Italiani di Filologia Classica.
Studi Storici per l'Antichità Classica.
Wiener Studien, Zeitschrift für klassische Philologie.
Wochenschrift für klassische Philologie.

Philology and Literature, General and Comparative.

American Journal of Philology.
Berliner philologische Wochenschrift.
Eranos.
Indogermanische Forschungen.
Journal of English and Germanic Philology.
Journal of Philology.
Neue Jahrbücher für das klassische Altertum, Geschichte und deutsche Literatur.
Transactions of the American Philological Association.

*University of Pennsylvania Publications, Series in Philosophy and Literature.
Zeitschrift für das Gymnasialwesen.
Zeitschrift für die österreichischen Gymnasien.
Zeitschrift für vergleichende Literaturgeschichte.
Zeitschrift für vergleichende Sprachforschung.

Philology and Literature, Modern.

Anglia.
 Anglistische Forschungen.
 Annales Romaniques.
 Archiv für das Studium der neueren Sprachen.
 Archivio Glottologico Italiano.
 Arkiv for Nordisk Filologi.
 Beiblatt zur Anglia: Mitteilungen über englische Sprache und Litteratur.
 Beiträge zur Geschichte der deutschen Sprache und Literatur.
 Bonner Studien zur englischen Philologie.
 British Society of Franciscan Studies.
 Bulletin de la Société des Anciens Textes Français.
 Bulletin hispanique.
 Chaucer Society, Publications (both series).
 Deutsche Literaturzeitung.
 Dialect Notes.
 Early English Text Society Publications (both series).
 Englische Studien.
 Euphorion.
 German American Annals.
 Germanisch-romanische Monatsschrift.
 Giornale Dantesco.
 Giornale Storico della Letteratura Italiana.
 Goethe Jahrbuch.
 Jahrbuch der deutschen Shakespeare Gesellschaft.
 Jahrbuch des Vereins für niederdeutsche Sprachforschung.
 Jahresbericht über die Erscheinungen auf dem Gebiete der germanischen Philologie.
 Journal of German Philology.
 Kieler Studien zur englischen Philologie.
 Korrespondenzblatt des Vereins für niederdeutsche Sprachforschung.
 Kritischer Jahresbericht über die Fortschritte der romanischen Philologie.
 The Library.
 Literarische Echo.

Literarisches Centralblatt.
 Literaturblatt für germanische und romanische Philologie.
 Le maître Phonétique.
 Materialien zur Kunde des älteren Englischen Dramas.
 Modern Language Notes.
 Modern Language Review.
 Modern Philology.
 Münchener Beiträge zur romanischen und englischen Philologie.
 Palaestra.
 Poet-lore.
 Poetry and Drama.
 Praeger deutsche Studien.
 Publications of the Modern Language Association.
 Quellen und Forschungen zur Sprach- und Culturgeschichte der germanischen Völker.
 Rassegna Bibliografica.
 Revue d'Histoire Littéraire de la France.
 Revue des Etudes Rabelaisiennes.
 Revue Germanique.
 Revue Hispanique.
 Romania.
 Romanic Review.
 Romanische Forschungen.
 Schriften der Goethe Gesellschaft.
 Scottish Text Society, Publications.
 Société des Anciens Textes Français, Publications.
 Société des Textes Français Modernes, Publications.
 Studien zur englischen Philologie.
 Wiener Beiträge zur englischen Philologie.
 Zeitschrift für den deutschen Unterricht.
 Zeitschrift für deutsche Philologie.
 Zeitschrift für deutsches Altertum und deutsche Litteratur.
 Zeitschrift für deutsche Wortforschung.
 Zeitschrift für französische Sprache und Litteratur.
 Zeitschrift für romanische Philologie.

Philology and Literature, Semitic.

American Journal of Semitic Languages and Literatures.
 Babyloniaca.
 Jewish Quarterly Review.
 Proceedings of the Society of Biblical Archaeology.
 Recueil d'archéologie orientale.

Recueil de Travaux relatifs à la Philologie et à l'Archéologie égyptiennes et assyriennes.
 Zeitschrift für ägyptische Sprache und Altertumskunde.
 Zeitschrift für Assyriologie.

Philosophy and Psychology.

American Journal of Psychology.
 Année Psychologique.
 Archiv für die gesamte Psychologie.
 Archiv für Geschichte der Philosophie.
 Archiv für systematische Philosophie.
 Archives de Psychologie.
 Archives of Psychology.
 British Journal of Psychology.
 Bulletin de l'Institut Psychologique.
 International Journal of Ethics.
 Journal de Psychologie.
 Journal für Psychologie und Neurologie.
 Journal of Abnormal Psychology.
 Journal of Animal Behaviour.
 Journal of Educational Psychology.
 Journal of Philosophy, Psychology and Scientific Methods.
 Journal of Religious Psychology.
 Logos.
 Mind.
 Monist.
 Philosophical Magazine.
 Philosophical Review.
 Proceedings of the Aristotelian Society.

Psychological Bulletin.
 Psychological Review.
 Psychological Review; Monograph Supplements.
 Psychological Review; Psychological Index.
 Psychologische Arbeiten.
 Psychologische Studien.
 Revue de l'Hypnotisme.
 Revue de Métaphysique.
 Revue de Psychothérapie.
 Revue Philosophique.
 *Studies from the Yale Psychological Laboratory.
 *University of California Publications, Philosophy.
 *University of Toronto Studies, Psychology Series.
 Vierteljahrsschrift für wissenschaftliche Philosophie.
 Zeitschrift für angewandte Psychologie.
 Zeitschrift für Psychologie und Physiologie der Sinnesorgane: 1. Abt., Zeitschrift für Psychologie. 2. Abt., Zeitschrift für Sinnesphysiologie.

Religion.

American Friend.
 American Journal of Religious Psychology and Education.
 American Journal of Theology.
 †Association Monthly.
 †Australasian Intercollegian.
 *Baptist Missionary Magazine.
 Biblical World.
 Bibliotheca Sacra.
 *Deaconess Advocate.
 †Expositor.
 Expository Times.
 Friends' Missionary Advocate.
 *Hartford Seminary Record.
 *Harvard Theological Review.

†Herald of Gospel Liberty.
 †Indian's Friend.
 †Intercollegian.
 Journal of Biblical Literature.
 Journal of Theological Studies.
 †Missionary Review.
 Proceedings of the Society of Biblical Archaeology.
 *Publications of the American Jewish Historical Society.
 Religious Education.
 Revue Biblique.
 *Spirit of Missions.
 *Washington Chapel Chronicle.
 *Woman's Missionary Friend.

Science, Biology.

American Journal of Anatomy.
 American Journal of Physiology.
 American Naturalist.
 Anatomischer Anzeiger.
 Archiv für Anatomie und Physiologie.
 Archiv für die gesamte Physiologie.
 Archiv für Entwicklungsmechanik der Organismen.
 Archiv für mikroskopische Anatomie.
 Archiv für Protistenkunde.
 Bibliographia Physiologica.

Biologisches Centralblatt.
 Biometrika.
 Botanische Zeitung. 1. Abtheilung.
 Botanische Zeitung. 2. Abtheilung.
 Botanisches Centralblatt.
 *Brown University, Contributions from the Biological Laboratory.
 Centralblatt für Physiologie.
 Eugenics Laboratory Memoirs.
 *Illinois State Laboratory of Natural History Bulletin.

Jahrbücher für wissenschaftliche Botanik.
 Journal de Physiologie.
 Journal of Biological Chemistry.
 Journal of Experimental Medicine.
 Journal of Experimental Zoology.
 Journal of Genetics.
 Journal of Morphology.
 Journal of Physiology.
 Journal of the Royal Microscopical Society.
 Mittheilungen aus der Zoologischen Station zu Neapel.
 Quarterly Journal of Microscopical Science.
 *University of California Publications, Physiology.

*University of California Publications, Zoology.
 *University of Pennsylvania, Contributions from the Botanical Laboratories.
 *University of Pennsylvania, Contributions from the Zoological Laboratories.
 *University of Toronto Studies, Biological Series.
 University of Toronto Studies, Physiological Series.
 Zeitschrift für wissenschaftliche Zoologie.
 Zoologischer Anzeiger.

Science, General.

American Journal of Science.
 Atti della Reale Accademia della Scienze di Torino.
 Bulletin de l'Académie Imperiale des Sciences de St. Pétersbourg.
 Bulletin of the University of Wisconsin, Engineering Series.
 *Bulletin of the University of Wisconsin, Science Series.
 Comptes Rendus des Séances de l'Académie des Sciences.
 Elisha Mitchell Scientific Society Journal.
 International Catalogue of Scientific Literature.
 Kansas University, Science Bulletin.
 Nature.

*New York State Museum Bulletin.
 *Oklahoma University Research Bulletin.
 Philosophical Transactions of the Royal Society of London.
 Popular Science Monthly.
 Proceedings of the American Philosophical Society.
 Proceedings of the Royal Society of London.
 Science.
 *Technology Review.
 *University of Missouri Studies, Science Series.
 Verhandlungen der physikalisch-medizinischen Gesellschaft zu Würzburg.

Science, Geology, and Geography.

Centralblatt für Mineralogie.
 Economic Geology.
 Geographical Journal.
 Geological Magazine.
 Geologisches Centralblatt.
 *Georgia Geological Survey Bulletin.
 *Illinois Geological Survey Bulletin.
 Journal of Geography.
 Journal of Geology.
 Meteorologische Zeitschrift.
 Mineralogical Magazine.

Mineralogische und petrographische Mittheilungen.
 National Geographic Magazine.
 Neues Jahrbuch für Mineralogie, Geologie und Paläontologie.
 Philadelphia Geographical Society Bulletin.
 Quarterly Journal of the Geological Society.
 *U. S. Monthly Weather Review.
 *University of Toronto Studies, Geological Series.

Mathematics, Chemistry, and Physics.

Acta Mathematica.
 American Journal of Mathematics.
 Annalen der Chemie.
 Annalen der Physik.
 Annales de Chimie et de Physique.
 Annales Scientifiques de l'Ecole Normale Supérieure.
 Annali di Matematica.

Astrophysical Journal.
 Beiblätter zu den Annalen der Physik.
 Berichte der deutschen chemischen Gesellschaft.
 Bibliotheca Mathematica.
 Bollettino di Bibliografia e Storia delle Scienze Matematiche.
 Bulletin de la Société Chimique de France.

Bulletin de la Société Mathématique.
 Bulletin des Sciences Mathématiques.
 Bulletin of the American Mathematical Society.
 Cambridge Tracts in Mathematics.
 Chemical Abstracts.
 Chemisches Zentralblatt.
 Giornale di Matematiche.
 Jahrbuch über die Fortschritte der Mathematik.
 Jahresbericht der deutschen Mathematiker Vereinigung.
 Jahresbericht über die Fortschritte der Chemie.
 Journal de Mathématiques.
 Journal de Physique.
 Journal für die reine und angewandte Mathematik.
 Journal für praktische Chemie.
 Journal of the Chemical Society.
 Journal of Physical Chemistry.
 Kolloidzeitschrift.
 Mathematische Annalen.

Messenger of Mathematics.
 Monatshefte für Chemie.
 Physical Review.
 Physikalische Zeitschrift.
 Proceedings of the London Mathematical Society.
 Quarterly Journal of Mathematics.
 Rendiconti del Circolo Matematico di Palermo.
 Science Abstracts.
 Transactions of the American Mathematical Society.
 *U. S. Bureau of Standards Bulletin.
 *University of Pennsylvania Publications, Astronomical Series.
 *University of Toronto Studies, Papers from the Chemical Laboratories.
 *University of Toronto Studies, Papers from the Physical Laboratories.
 Zeitschrift für anorganische Chemie.
 Zeitschrift für Elektrochemie.
 Zeitschrift für Mathematik und Physik.
 Zeitschrift für physikalische Chemie.

The library is open daily from eight A. M. to ten P. M. Books may be taken out by the students unless specially reserved for library reference use.

There are in Philadelphia the following important libraries which are available for students:

The *Philadelphia Library Company*, which contains about 235,000 volumes and 30,000 pamphlets, and is at all times open to the students for consultation. Private subscription, for four volumes, \$12 a year, or \$10 for nine months.

The *Mercantile Library*, which contains about 190,000 volumes and 10,000 pamphlets. Private subscription, \$5.00 a year for two separate works at a time.

The *Library of the Academy of Natural Sciences*, which contains about 68,000 volumes. The Council of the Academy has generously conceded the use of its library and of its museum to the students of Bryn Mawr College.

The *Library of the University of Pennsylvania*, which contains about 320,000 volumes and 50,000 pamphlets. The custodians of this library have always shown great courtesy in placing rare volumes at the disposal of the college.

The *Free Library of Philadelphia*, which contains about 375,000 volumes and 89,000 pamphlets, and is at all times open to the students for consultation.

The *American Philosophical Society Library*, which contains about 53,000 volumes, admission by card.

The *Historical Society of Pennsylvania Library*, which contains over 80,000 volumes, and 200,000 pamphlets, is for reference only. Every courtesy is extended to members of the college.

Sanskrit and Comparative Philology.

The instruction in this department is under the direction of Dr. Roland G. Kent, Non-resident Lecturer in Sanskrit.

GRADUATE COURSES.

The following graduate courses are offered in each year:

Lectures on Comparative Philology, and Philological Seminary.

Two hours a week throughout the year.

Students entering this course are expected to be familiar with German and French. A short preliminary course in Sanskrit is also of great aid to the student. The lectures on comparative philology treat of the connection of the Greek and Latin languages with the related languages of the Indo-European group, first, phonetically, secondly, from the point of view of grammatical forms, and lastly, from the point of view of syntax. In the first part of the course which covers what during the last few years has been the field of the most active research the student is introduced to the latest theories and discoveries in Aryan phonetics, and is expected to read and criticise the articles appearing from time to time in the philological journals, and to prepare reports on these articles. The same method is pursued during the investigation of the history of forms; and in the third part of the course the student begins the study of comparative syntax by a close comparison of the use of cases and verbal forms in Sanskrit, Greek, and Latin.

Elementary Sanskrit.

Two hours a week throughout the year.

Whitney's *Grammar* is used, and the classical selections from Lanman's *Reader* are read. Lectures are given on the phonology and morphology of Sanskrit.

The courses in Comparative Philology and in Elementary Sanskrit will not, as a rule, be given in the same year.

Second Year Sanskrit.

One or two hours a week throughout the year.

The Vedic selections in Lanman's *Reader* are read, with some additional hymns from the *Rigveda*. Selections from the classical literature are read at sight. Exercises in etymology are given to supplement the lectures on the phonology.

Advanced Sanskrit.

Two hours a week throughout the year.

Selected texts are read: the *Bhagavad-Gītā*; Kālidāsa's *Çakuntalā*, Acts I and II, with a careful study of the Prākṛit; selected hymns of the *Atharvaveda*. During the second term the course is conducted as a seminary, with use of the native commentaries.

Greek.

The instruction in this department is under the direction of Dr. Henry Nevill Sanders, Professor of Greek; Dr. Wilmer Cave Wright, Associate Professor of Greek; Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages, and Miss Abby Kirk, Reader in Elementary Greek.

Exceptional facilities for the study of all departments of classical philology are offered by the large classical library owned by the College. The greater part of this library is formed by the well-known collection of the late Professor Hermann Sauppe of Göttingen, which was acquired in 1894. This has been supplemented by purchases made by the college library, so that the classical library now numbers some seven thousand volumes, including complete sets of most of the important journals, and about seven thousand dissertations and monographs.

GRADUATE COURSES.

The graduate courses in Greek are varied from year to year in two series, Attic Tragedy, Orators, and Historians, and the Homeric Question, Plato, and Aristophanes, in order that they may be pursued by a student for consecutive years. Students electing Greek as part of the work for the degree of Doctor of Philosophy are required to offer with each three hour seminary a two hour seminary and *vice versa*, so as to make up five hours of seminary work, but both seminaries need not be taken in the same year. Three five hour courses are required of students who offer Greek as a major subject in the examination for the degree of Doctor of Philosophy; two five hour courses are required when Greek is the only minor subject offered, and one five hour course when two minors are offered. The post-major courses also are open to graduate students. A large part of the work expected of graduate students consists of courses of reading pursued under the direction of the department; and reports of this reading are from time to time required of the students. A reading knowledge of French and German is required. The course in Comparative Philology is recommended to graduate students of Greek. For graduate courses in Classical Archæology, which may be offered as a minor by students taking Greek as a subject for the degree of Doctor of Philosophy, see pages 109 to 110.

No undergraduates are admitted to graduate courses.

Dr. Sanders conducts in each year the following graduate seminary:

Greek Seminary.

Three hours a week throughout the year.

In 1913-14 the main subject of the seminary is the Greek Historians. Thucydides is studied in detail and reports are made on data of history contained in Greek literature in general. Lectures are given by the instructor on subjects connected with Greek historiography, such as the composition of Thucydides's history, the syntax and style of Thucydides, the history of early prose, Greek historical inscriptions.

In 1914-15 the subject of the seminary will be Attic Tragedy. The work of the seminary in textual criticism will be devoted to Sophocles. Members of the seminary report on assigned subjects and give critical summaries of current classical literature.

In 1915-16 Greek orators will be studied in the seminary. The work consists of the reading of large portions of all the orators and the critical interpretation of a selected part of each. Lectures are given on legal antiquities, the syntax, and the style of the various authors, in conjunction with which Dionysius of Halicarnassus and the Greek Rhetoricians are studied. The later rhetoricians are treated and their criticism of antiquity investigated. Students are expected to provide themselves with the Teubner text editions of Antiphon, Andocides, Lysias, Isocrates, Isæus, Æschines, Hypericles, and Demosthenes. The classical library is well equipped with works on the orators.

Dr. Wright conducts in each year the following graduate seminary:

Greek Seminary.

Two hours a week throughout the year.

In 1913-14 the subject of the seminary is Aristophanes. The aim of the seminary is to make the students familiar with the more important Aristophanic literature up to the present day. Portions of the text are interpreted by the class and reports on assigned topics, literary, historical, and archæological, connected with the plays are expected from all the members. All the comedies of Aristophanes are read in the course of the year; lectures are given by the instructor on the metres and syntax of Aristophanes, on the dramatic structure of the plays and on the history of Attic comedy. Part of the work consists of analyses of Latin and German dissertations on Aristophanes which are presented by members of the class. Every member of the class should provide herself in advance with a complete text of Aristophanes. The Teubner (Leipsic) or Clarendon Press (Oxford) editions are recommended.

In 1914-15 the seminary will be in Plato. The work is mainly literary and critical. Lectures on the style, philosophy, and chronology of the dialogues are given by the instructor; a detailed interpretation of a portion of Plato, and reports on topics set for discussion are given by the class. The students are expected to read the *Republic*, *Theætetus*, *Parmenides*, and *Sophist* and discuss certain problems arising from these dialogues. The aim of the course is to lay a foundation for independent work by familiarising the students with the achievements of German scholarship and the general field of Platonic literature up to the present day. Analyses of German and Latin dissertations are expected from the class. Lutoslawski's *Origin and Growth of Plato's Logic* will be studied and criticised in detail. Every member of the seminary should provide herself in advance with a complete text of Plato. The Teubner (Leipsic) or Clarendon Press (Oxford) editions are recommended.

In 1915-16 the subject of the seminary will be the Homeric Question, and the work will consist of a review of the discussions of the Homeric poems since the publication of Wolf's *Prolegomena*. The various tests that have been applied to the poems by archæologists, linguists, historians of myths, and æsthetic critics will be taken up and criticised in detail.

Dr. Sanders and Dr. Wright together conduct the journal club:

Greek Journal Club.

One and a half hours once a fortnight throughout the year.

POST-MAJOR COURSES

Dr. Sanders offers in 1913-14 the following post-major courses, open to graduate students:

- Minor Orations of the Attic Orators. *Two hours a week during the first semester.*
 Sophocles, *Antigone* or *Oedipus Tyrannus*.
One hour a week during the first semester.
 Æschylus, *Agamemnon* or Thucydides.
Two hours a week during the second semester.
 Greek Prose Composition. *One hour a week during the second semester.*

Dr. Sanders offers in 1914-15 the following post-major courses, open to graduate students:

- Sophocles, *Trachiniæ* and Euripides, *Heracles*.
Two hours a week during the first semester.
 Herodotus. *One hour a week during the first semester.*
 Greek Prose Composition. *One hour a week during the second semester.*
 Bacchylides. *One hour a week during the second semester.*
 Euripides, *Bacchæ*. *One hour a week during the second semester.*

Dr. Sanders offers in 1915-16 the following post-major courses, open to graduate students:

- Æschylus, *Oresteia*. *Two hours a week during the first semester.*
 Aristophanes, *Acharnians*, *Knights*. *One hour a week during the first semester.*
 Pindar. *Two hours a week during the second semester.*
 Sophocles, *Electra* or Euripides, *Electra*.
One hour a week during the second semester.

Dr. Wright offers in 1913-14 the following post-major courses, open to graduate students:

- Melic Poets. *Two hours a week during the first semester.*
 Plato, *Republic*. *Two hours a week during the second semester.*

Dr. Wright offers in 1914-15 the following post-major courses, open to graduate students:

- Theocritus. *Two hours a week during the first semester.*
 Æschylus, *Septem*. *Two hours a week during the second semester.*

Dr. Wright offers in 1915-16 the following post-major courses, open to graduate students:

- Palatine Anthology or Lucian. *Two hours a week during the first semester.*
 Sophocles, *Ajax*. *Two hours a week during the second semester.*

FREE ELECTIVE COURSES.

Minor courses, amounting to eight hours a week, are offered in Classical Art and Archæology; see pages 110 to 111.

Latin.

The instruction in this department is under the direction of Dr. Arthur Leslie Wheeler, Professor of Latin, Dr. Tenney Frank, Professor of Latin, Dr. James Fulton Ferguson, Associate in Ancient History and Latin, and Dr. Mary Hamilton Swindler, Reader in Latin and Reader and Demonstrator in Classical Archæology.

GRADUATE COURSES.

The graduate work in Latin is conducted according to the seminary method, and is intended not only to broaden the student's knowledge, but also to teach methods of work. The graduate courses in Latin are varied from year to year in three series, Roman Comedy, Lyric Poetry and Elegy, and Roman History, Epigraphy and Literature, or Syntax. Students electing Latin as part of the work for the degree of Doctor of Philosophy are required to offer with each three hour seminary a two hour seminary and *vice versa*, so as to make up five hours of seminary work, but both seminaries need not be taken in the same year. Such students are recommended to attend the Journal Club. Three five hour courses are required of students who offer Latin as a major subject in the examination for the degree of Doctor of Philosophy; two five hour courses are required when Latin is the only minor subject offered and one five hour course when two minors are offered. It is desirable that all students who intend to do advanced work in Latin should have some knowledge of Greek. A reading knowledge of French and German is also necessary.

No undergraduates are admitted to graduate courses.

Dr. Wheeler conducts in each year the following graduate seminary:

Latin Seminary.

Three hours a week throughout the year.

In 1913-14 the subject of the seminary is the Roman Lyric in the Period of the Republic. After a rapid survey of the fragmentary lyric remains of the predecessors and contemporaries of Catullus, the poems of Catullus himself are studied in detail. Students should have *Catulli carmina* (Oxford text, 1904), edited by Robinson Ellis, and either the same scholar's *Commentary on Catullus*, Oxford, Clarendon Press, 1889 (second edition), or G. Friedrich's *Catulli Veronensis liber*, Leipsic and Berlin, 1908 (Teubner).

In 1914-15 Roman Elegy as represented by Tibullus, Propertius, and Ovid will be the subject of the seminary. In addition to a careful study of selected poems an effort is made to trace the history of elegy among the Romans. The various topics connected with the subject are treated in detail as far as time permits, and the students are encouraged to familiarise themselves with the best literature in editions, periodicals, and dissertations. The texts recommended are the Oxford Clarendon Press editions of Catullus and Tibullus, edited by Ellis and Postgate, and the Leipsic (Teubner) text of Propertius, edited by C. Hosius, 1911. The best commentaries are Kirby Smith's *The Elegies of Tibullus*, New York, 1913 (American Book Co.), and M. Rothstein's *Die Elegien des Sextus Propertius*, Berlin, 1898 (Weidmann). For Catullus see Roman Lyric.

In 1915-16 the subject of the seminary will be Latin Comedy. All the plays of Plautus and Terence are read by the students; single plays form the basis of special work on the

language, text, metres, etc. Students should provide themselves with the text edition of Plautus, edited by W. M. Lindsay, Oxford, 1903-04, and with Dziatzko's text of Terence, Leipsic, Tauchnitz, 1884. The plays of Plautus, annotated by Brix, Leipsic, Teubner, 1901-12, and by Lorenz, Berlin, Weidmann, 1876-86, and the plays of Terence, annotated by Dziatzko (revised by Hauler), 1898 and 1913 (Teubner), and by Spengel, 1879 and 1905 (Weidmann), are also recommended. *P. Terenti Afri Commoediae*, edited by S. G. Ashmore, Oxford University Press, New York, 1908, is a convenient commentary.

Dr. Frank conducts in each year the following graduate seminary:

Latin Seminary.

Two hours a week throughout the year.

In 1913-14 the work of the seminary is Latin Epigraphy and Paleography. About two-thirds of the course is devoted to the study of the *Corpus Inscriptionum*. The questions assigned for investigation deal mainly with Roman political institutions, public and private life, and with historical grammar. Dessau's *Inscriptiones Latinae Selectae* is used in the class room. The paleographical facsimiles of Chatelain, Zangemeister and Wattenbach, and Arndt form the basis for work in the latter part of the course.

In 1914-15 selected topics in Roman Literature will be studied. The work consists of studies in the beginnings of the Roman epic, tragedy, and prose. The students read reports on special subjects assigned to them. A study of Latin Syntax may be substituted.

In 1915-16 Cicero's correspondence will be the subject of the seminary. An effort will be made to master typical textual and linguistic problems presented by this text, and more especially to extend the student's acquaintance with the Roman civilisation of Cicero's day.

Dr. Wheeler and Dr. Frank together conduct the journal club.

Latin Journal Club.

One and a half hours once a fortnight throughout the year.

The advanced students and the instructors meet to report on and discuss recent articles and books on subjects connected with the Latin classics.

POST-MAJOR COURSES.

Dr. Wheeler offers in 1913-14 and again in 1915-16 the following post-major course, open to graduate students:

Roman Satire.

Two hours a week throughout the year.

The subject is treated historically in order to give an outline of the origin and development of Satire. The class reads selections from Horace, Persius, Seneca, Petronius, and Juvenal, together with some of the fragments of Ennius, Lucilius, and Varro. The readings are supplemented by occasional lectures. Each student is required to prepare papers and reports on assigned topics in each semester.

Dr. Wheeler offers in 1914-15 and again in 1916-17 the following post-major course, open to graduate students:

Roman Elegy.

Two hours a week throughout the year.

An effort is made to trace historically the development of this branch of poetry among the Romans. Selections from Catullus, Tibullus, Propertius, and Ovid are read. The readings are supplemented by occasional lectures. Special attention is devoted to the structure and reading of the elegiac distich and to the characteristics of Roman poetic diction. Each student is required to prepare papers and reports on assigned topics in each semester.

Dr. Frank offers in 1913-14 and again in 1915-16 the following post-major courses, open to graduate students:

Lucretius and Catullus.

Three hours a week during the first semester.

Selections from the *De Rerum Natura* and from the lyrics of Catullus are read.

Advanced Latin Prose Composition.

One hour a week throughout the year.

Cicero and Cæsar.

Three hours a week during the second semester.

An effort is made by means of lectures, discussions and extensive reading to gain an intimate acquaintance with the literary work and the political careers of Cicero and Cæsar.

Dr. Frank offers in 1914-15 and again in 1916-17 the following post-major courses, open to graduate students:

The Life and Works of Vergil.

Three hours a week during the first semester.

The larger part of the *Aeneid*, two books of the *Georgics* and some of the minor poems are read and discussed.

Advanced Latin Prose Composition.

One hour a week throughout the year.

Roman Prose of the Empire.

Three hours a week during the second semester.

Selections from Velleius, Seneca, Quintilian, Tacitus, Suetonius, Apuleius, and Minucius Felix are read.

Dr. Frank offers in each year the following elective course, open to graduate students:

Lectures on Roman Life.

One hour a week throughout the year.

An attempt is made to describe briefly Roman social and economic conditions, as well as the development of religious beliefs and institutions.

MODERN LANGUAGES.

Professors and instructors: Dr. M. Carey Thomas, Dr. Fonger DeHaan, Miss Lucy Martin Donnelly, Dr. Karl Detlev Jessen, Dr. Carleton Fairchild Brown, Dr. Richard Thayer Holbrook, Dr. Orie Latham Hatcher, Dr. Regina Katharine Crandall, Dr. Agathe Lasch, Mr. Samuel Arthur King, Mr. Louis Cons, Miss Georgiana Goddard King, Miss Mary Jeffers, Miss Edna Aston Shearer, Miss E. Beatrice Daw, Dr. Ida Langdon, Miss Marion Delia Crane, Miss Christine Potts Hammer, Dr. Eunice Morgan Schenck, Miss Esther Cloudman Dunn.

English.

The instruction in this department is under the direction of Dr. M. Carey Thomas, Professor of English, Miss Lucy Martin Donnelly, Professor of English, Dr. Carleton Fairchild Brown, Professor of English Philology, Dr. Orie Latham Hatcher,

Associate Professor of Comparative Literature and Elizabethan Literature, Dr. Regina Katharine Crandall, Director of Essay Work, Mr. Samuel Arthur King, Non-resident Lecturer in English Diction, Miss Georgiana Goddard King, Lecturer in the History of Art and Comparative Literature, Miss Edna Aston Shearer, Miss E. Beatrice Daw, Miss Marion Delia Crane, Dr. Ida Langdon, Miss Christine Potts Hammer, and Miss Esther Cloudman Dunn, Readers in English and an instructor whose appointment will be announced later.

GRADUATE COURSES.

There are offered each year distinct graduate seminaries and courses in English literature and in English language, and these seminaries and courses are varied so as to enable candidates for the degree of Doctor of Philosophy to pursue graduate work for three or more successive years. The graduate courses in literature presuppose at least as much knowledge as is obtained in the two years' course of undergraduate lectures on English literature and in one of the literature years of the English major; and the graduate courses in Anglo-Saxon presuppose as much knowledge of Anglo-Saxon as is obtained in the language year in the English major.

Students who choose English literature as their major subject in their examination for the degree of Doctor of Philosophy must offer English philology as a minor subject and those who offer English philology as a major subject must offer English literature as a minor subject, and must have taken at least the equivalent of the essay work in the required English course.

The graduate instruction in English literature includes the direction of private reading and the assignment of topics for investigation.

No undergraduates are admitted to graduate courses.

Dr. Brown conducts in each year the following graduate seminary:

Seminary in Middle English.

Three hours a week throughout the year.

In 1913-14 the subject is the Middle English Romances. All the romances represented in the Middle English are read, and the relation of these English versions to their Latin and Old French originals are discussed. The romance cycles are taken up in the following order: Troy story, Alexander saga, romances of Germanic origin, Arthurian cycle, Charlemagne cycle. Special investigations of various elements in individual romances are undertaken from time to time by the members of the seminary.

In 1914-15 the seminary will undertake the study of *The Vision of Piers the Plowman* and the works of Chaucer. Attention is devoted not so much to the critical reading of the texts themselves as to the examination of the questions of authorship and chronology which have recently been raised. These poems are also discussed in their relation to the other literature of the fourteenth century. Special subjects for individual investigation are assigned to the members of the seminary.

In 1915-16 the beginnings of English Drama will be the subject of the seminary. Though the cycles of the mystery plays are considered in general, the larger part of the time is devoted to the study of the English morality plays. Particular attention is given to the connection between the moralities and the didactic treatises and the debates. The moralities and the secular drama are studied historically up to the time of Heywood. In addition to the reading and discussion of selected plays, lectures are given by the instructor with the object of setting various elements of dramatic development in proper proportion. Critical reports on assigned topics are required from the students.

Dr. Brown offers in 1913-14 and again in 1915-16 the following graduate course:

Cynewulf and Cædmon.

Two hours a week throughout the year.

Several of the poems traditionally ascribed to these authors are critically studied. Lectures are given with a view to furnishing a thorough introduction to Anglo-Saxon Christian poetry and the literary problems connected with it. This course is open to graduate students who have already taken the course in Anglo-Saxon grammar and reading of Anglo-Saxon texts or its equivalent.

Dr. Brown offers in 1914-15 and again in 1916-17 the following graduate courses:

Beowulf.

Two hours a week throughout the year.

This course gives in the first place a general survey of Beowulf criticism, including textual problems, theories as to the composition of the poem, and an enquiry into its historical and mythological elements. In this connection a study is also made of the other pieces of Anglo-Saxon heathen poetry. This course is open to graduate students who have already taken the course in Anglo-Saxon grammar and reading of Anglo-Saxon texts, or its equivalent.

English Historical Grammar.

Two hours a week throughout the year.

In this course the development of the English Language is traced from the earliest times. After an outline has been given of the history and external relations of English, the change and decay of inflections, the use of prepositions and the more important points in historical syntax are discussed. The course presupposes a knowledge of Anglo-Saxon and Middle English.

Miss Donnelly conducts in each year the following graduate seminary:

Seminary in English Literature.

Two hours a week throughout the year.

In 1913-14 and again in 1915-16 Shelley and Byron are studied in the seminary. Special attention is given to the phases of Romanticism shown in their work and to their relations to their contemporaries in England and on the Continent.

In 1914-15 Donne and Milton will be the subject of the seminary. They are studied in their relation to such contemporary influences as Platonism and the Church and Puritanism and in especial to the sources and development of poetical style in the seventeenth century.

In 1916-17 Swift, Addison, and Steele will be studied. Attention will be given to their relations to both contemporary politics and literature.

The following graduate seminary is offered in each year:

Seminary in English Literature.

Three hours a week throughout the year.

In 1914-15 the seminary will be concerned with the literary and critical activity of the mid-eighteenth century, centering in Dr. Johnson and his circle. Representative works of the period are read and discussed, and particular attention is directed to such matters as the coterie spirit, the influence of periodical literature, the relations of author and public, the breaking down of classical standards, and the rise of romanticism in England and abroad.

The seminary in 1915-16 will deal with the various phases of English sentimentalism in their relation to continental activities. After tracing the earlier development of the sentimental spirit, a thorough study will be made of the manifestations of this spirit in eighteenth century novel and drama. Particular attention will be given to the bearing of sentimentalism on the beginnings of the romantic movement, and special studies will be made of literary relationships.

In 1916-17 the seminary will be devoted to studies in the later romantic movement in England, including the period of its diffusion. Emphasis is placed upon such matters as the Italian and Spanish revival, the new interest in Hellenism, the Tractarian movement in the church, and the various ideals of art represented in the Pre-Raphaelite Brotherhood. Extensive studies in these lines during the first semester prepare for special investigations later.

Dr. Hatcher conducts in each year the following graduate seminary:

Seminary in Elizabethan Literature. *Three hours a week throughout the year.*

In 1913-14 Spenser is studied in the light of Mediæval and Renaissance culture. The subjects taken up are the inspiration, models, and sources of Spenser's poetry; the many influences working upon him, and those emanating from him, as shown in the significant blending of classical, mediæval, and Renaissance tendencies in his poetry, and his initiative in solving the literary problems of his time. In the first semester all the works of Spenser are read and the results of Spenserian research examined. The second semester is devoted largely to the investigation by each student of some special problem.

In 1914-15 English drama from 1558 to 1642 will be studied as the chief literary expression of the period. The conditions of its origin and continued production, its nature, extent, variety, development and decadence will be discussed and a reasonable proportion of the extant plays of the period read continuously as a background for other work. A brief introductory study is made of dramatic genres and of the broader principles of dramatic construction, and the remainder of the first semester is devoted to the examination of contemporary documents and other sources of information in regard to Elizabethan drama. In the latter half of the year each student investigates some special problem, such as dramatic inter-relationship or authorship, and gives reports upon her work.

In 1915-16 Shakespeare is the subject of the seminary. In the first semester as detailed a review as is practicable is made of the results of Shakesperian scholarship as regards critical problems of biography, authorship, chronology and source material of the plays, a comparison of varying versions of separate plays, the influence of earlier and contemporary dramatists, etc. Dramatic records relating to Shakespeare are also examined at first hand and evidences of his participation in the general dramatic activities of his time noted. In the second semester students are given individual problems for investigation.

Dr. Brown, Miss Donnelly, and Dr. Hatcher together conduct the journal club.

English Journal Club. *One and a half hours a fortnight throughout the year.*

The advanced students and the instructors meet to report on and discuss recent reviews and critical articles.

The following advanced undergraduate courses may be attended by graduate students:

Miss Donnelly offers in 1913-14 and again in 1915-16 the following course:

English Drama.

Two hours a week throughout the year.

This course is intended to give students that have completed the required course in English a more intimate knowledge of the late Elizabethan and the Stuart drama. The lectures follow the development of the realistic and romantic tendencies in the comedy and tragedy of the period both as an expression of the national life and of the individual genius of the various dramatists. Selected plays of Shakespeare, Middleton, Ben Jonson, Beaumont and Fletcher, and other dramatists are read in connection with the lectures.

Miss Donnelly offers in 1916-17 the following course:

English Poets of the Romantic Movement.

Two hours a week throughout the year.

The poets studied in this course are Wordsworth, Coleridge, and Shelley in the first semester and in the second, Byron, Keats, and Landor. Their works are discussed in class in connection with questions of poetics and literary theory and reports and essays are required from students attending the course.

Dr. Brown offers in 1913-14 and again in 1915-16 the following course:

Shakespeare.

Two hours a week throughout the year.

A careful study is made of a number of Shakespeare's plays, selected with a view to illustrating his earlier and later work and his method in comedy, tragedy, and chronicle history. The plays chosen in 1913-14 are: *Romeo and Juliet*, *Henry V*, *Othello*, *Hamlet*, and *Winter's Tale*. Some of the more general problems connected with these plays are discussed in introductory lectures.

Dr. Brown offers in 1914-15 and again in 1916-17 the following course:

Anglo-Saxon Grammar and reading of Anglo-Saxon Texts.

Two hours a week throughout the year.

The first semester is devoted to an outline of Anglo-Saxon grammar as presented in Siever's *Old English Grammar* (Cook's translation) and to the reading of the prose selections in Bright's *Anglo-Saxon Reader*. In the second semester after reading one or two of the shorter Anglo-Saxon poems, the *Beowulf* is taken up (Holthausen's or Schücking's text) and the first two-thirds of the poem is read with the class.

Dr. Brown offers in 1913-14 and again in 1915-16 the following courses:

Middle English Poetry.

Three hours a week during the first semester.

The course begins with an outline of Middle English grammar sufficient to enable the students to read ordinary texts intelligently. The complete text of the *Owl and Nightingale*, *The Vox and Wolf*, and *Pearl* will be read, as well as selections from Langland's *Vision of Piers the Plowman* and other pieces. Lectures are given on the development of the language and literature during this period. The course is designed as an introduction to the course on Chaucer given in the second semester but may be taken independently.

Chaucer.*Three hours a week during the second semester.*

In this course the best of the *Canterbury Tales* are studied, also the *Legend of Good Women*, *The House of Fame*, and portions of *Troilus and Criseyde*. The lectures discuss Chaucer's sources and literary art, and his relation to the English, French, and Italian literature of his time. Students taking this course are recommended, but not required, to have taken the course in Middle English poetry.

Dr. Brown offers in 1914-15 and again in 1916-17 the following course:

Middle English Romances.*Three hours a week throughout the year.*

Selected romances are read by the members of the class. The lectures deal with the development of Romance literature in English with special reference to the romances of Germanic origin and the Arthurian cycle.

The following courses are offered in each year by an instructor whose appointment will be announced later.

The Essay and Novel in the Eighteenth Century.*Three hours a week throughout the year.*

In the first semester a preliminary consideration of the rise of the English essay and other literary forms contributory to the novel, is followed by a special study of the *Taller*, *Spectator*, and *Examiner*, of representative picaresque and satirical fiction, and of selected works of Richardson and Fielding. The second semester considers the essay and novel as expressive of eighteenth century life and thought, emphasising the growth of the critical and political essay, and of the larger categories of fiction: novel of manners, novel of character, *doctrinaire* novel, romantic novel, etc. Treatment of technique is continued throughout.

English Critics of the Nineteenth Century.*Three hours a week throughout the year.*

Certain English essayists of the nineteenth century are studied with particular regard to their theories of criticism. In the first semester the authors usually chosen are Carlyle, Newman, and Matthew Arnold; in the second semester Ruskin, Pater, and Swinburne are discussed. Occasional short reports and one long paper in each semester must be prepared by the students attending the course.

The following course will be offered in 1915-16:

Spenser and Milton.*Two hours a week throughout the year.*

The works of Spenser are studied in detail. The lectures and class discussions treat Spenser's sources, his poetical method and style, and his relation to the English, French and Italian literature of his time. In the second semester Milton is similarly studied.

Dr. Crandall offers in each year the following free elective courses:

Daily Themes.*Two hours a week during the first semester.*

Short papers on subjects chosen by the students themselves are required from each student and discussed in the class.

Narrative Writing.*Two hours a week during the second semester.*

The style and methods of the best modern writers of short stories, both English and French, are treated in this course.

Miss Shearer offers in each year the following free elective course:

Argumentation.

Two hours a week throughout the year.

In the first semester the technique of argumentation is studied. In the second semester the relation between the laws of thought emphasised in the first semester and the ordinary forms of prose composition is established; if the class is sufficiently large part of the time is given to debate.

Miss King offers in 1913-14 the following free elective course:

Theory and Practice of Verse Composition.

Two hours a week during the second semester.

The course is not historical but theoretical and practical. The lectures deal with the theory of poetry, the difference between poetry and prose, and the laws of verse in English. Students are required to write short exercises in verse every week.

Dr. Langdon offers in each year the following free elective courses:

A Study of Poetics.

One hour a week throughout the year.

The course consists of a study of poetics passed upon various treatises and essays concerning the art of poetry.

Descriptive Writing.

Two hours a week during the first semester.

This course consists of lectures on the theory and practice of description. The students are required to write papers.

Mr. King offers in 1913-14 and again in 1915-16 the following free elective courses in English Diction:

Reading of Shakespeare.

One hour a week throughout the year.

This course is open only to those students who have taken the required course in English diction. A special study is made of the principles of correct delivery of blank verse. The needs of those students who intend to teach English literature, and desire to read Shakespeare to their pupils, are given special attention.

Mr. King offers in 1914-15 and again in 1916-17 the following free elective course in English Diction:

General Reading of Prose Authors.

One hour a week throughout the year.

This course is open only to those students who have attended the required course in English diction or who have done equivalent work.

Mr. King offers in each year the following course in English Diction for graduate students:

General Course in Articulation and Voice Production.

One half hour a week throughout the year.

The object of this course is to train speakers in accurate and distinct articulation and to eliminate the faults of bad production. Speech is resolved into its phonetic elements which are made the basis of practical exercises so arranged as to be progressive in their difficulties.

German.

The instruction in this department is under the direction of Dr. Karl Detlev Jessen, Professor of German Literature, Dr. Agathe Lasch, Associate Professor of Teutonic Philology, and Miss Mary Jeffers, Reader in Elementary German.

GRADUATE COURSES.

The graduate courses offered in German philology may be found under the head of General Teutonic Philology.

Graduate work in the history of modern German literature is conducted according to the seminary method. The courses are so varied that they may be followed by graduate students throughout three successive years and cover the work required of students who offer German literature as a major or a minor for the degree of Doctor of Philosophy. Students who offer German literature as the major subject for the degree of Doctor of Philosophy must offer Teutonic Philology as one of the minor subjects and students who offer Teutonic Philology as a major subject are required to offer German literature as one of the minor subjects.

No undergraduates are admitted to graduate courses.

Dr. Jessen conducts in each year the following graduate seminary:

Seminary in German Literature.

Two hours a week throughout the year.

Although the seminary meets only two hours a week throughout the year, the amount of reading required makes the course equivalent to five hours a week. It is hoped that the students will become familiar in these courses with the methods of scientific literary criticism and investigation.

In 1913-14 Goethe is the subject of study in the seminary.

In 1914-15 Friedrich Nietzsche and Herman Grimm will form the basis of the work of the seminary.

In 1915-16 the Romanticism of early modern German literature will be studied in the seminary.

Dr. Jessen offers in 1913-14 and again in 1915-16 the following graduate courses:

German Literary Criticism.

One hour a week during the first semester.

The lectures trace the development of literary and æsthetic criticism in Germany from Leibniz to Schiller and Goethe. The course is comparative, and French and English literary criticisms are also considered. Lessing's *Laokoön* and *Hamburgische Dramaturgie* and Schiller's essays on æsthetics are specially studied. The course is open to those students only who have a reading knowledge of French and German.

The German Essay.

One hour a week during the second semester.

The history of the essay in German literature is studied and the most eminent German essayists, Schopenhauer, Herman Grimm, Karl Hillebrand, Friedrich Nietzsche, etc., are discussed. The influence of French, English, and American writers, in particular Montaigne, Macaulay, and Emerson, is traced, and incidentally the evolution of modern German prose style is treated.

Dr. Jessen offers in 1914-15 and again in 1916-17 the following graduate courses:

German Metrics.

One hour a week during the first semester.

This course consists of lectures on *Deutsche Metrik* or *Verslehre*, with an introduction to phonetics, this being an indispensable *Hilfswissenschaft* for the study of German literature.

German Poetics.

One hour a week during the second semester.

Lectures are given on *Deutsche Poetik* and *Stilistik*.

Dr. Jessen offers in each year, if the time of the department permits, one of the following graduate courses:

Goethe's *Faust*.

Two hours a week throughout the year.

This course is intended to give a detailed introduction to the problems of *Faust-philologie*, dealing with both the first and second part of *Faust*.

Goethe's Life and Works.

Two hours a week throughout the year.

This course aims at giving an introduction into *Goethe-philologie*.

Dr. Jessen and Dr. Lasch conduct in each year the German Journal Club.

German Journal Club.

Two hours once a fortnight throughout the year.

At the meetings recent books and articles are reviewed and the results of special investigations presented for discussion, comment and criticism.

POST-MAJOR COURSES.

Dr. Jessen offers in 1913-14 and again in 1915-16 the following post-major courses, open to graduate students:

Lectures on the History of German Literature from the Romantic School till 1850.

Two hours a week during the first semester.

This course begins with a general study of the principles of philosophy, life, art, and poetry, as represented by the Romantic School, which is followed by lectures on the literary movements, expressed mainly in lyric poetry and in the novel, which supersede the Romantic *Weltanschauung*. The lyrics of the war of liberation, the *Weltschmerz*, and the political revolution; the novel of *Jungdeutschland*; the drama of Heinrich von Kleist; the works of the Schlegels, Tieck, Hölderlin, Jean Paul, Novalis, Uhland, Lenau, Heine, Immermann, Freiligrath, Herwegh, Gutzkow, Mörike, and Gotthelf, are the principal topics discussed.

German Drama in the Nineteenth Century.

Two hours a week during the second semester.

The drama of Heinrich von Kleist is studied with special reference to that of the classical period, and to the dramatic efforts of the Romantics. The place of Grillparzer in German literature is defined, as well as the significance of Grabbe and Raimund. This leads to Otto Ludwig and to Friedrich Hebbel, who is the central figure, chronologically as well as in importance, of the German drama during the nineteenth century. The course ends with a review of Anzengruber, Wildenbruch, Sudermann, Hauptmann, and of other modern writers.

Dr. Jessen offers in 1914-15 and again in 1916-17 the following post-major courses, open to graduate students:

German Literature from 1850 to the present time.

Two hours a week during the first semester.

The subject of this course is, in the first semester, the *Epigonen-Literatur*. The development of the modern German *Novelle* is discussed and Keller's, Storm's, and C. F. Meyer's works are specially studied. A full account of the poets of the *Münchener Schule* is given, in particular of Richard Wagner, Reuter, Groth, Freytag, Spielhagen, Scheffel, Raabe, Geibel, Heyse, and Schack.

German Literature from 1850 to the present time (continued).

Two hours a week during the second semester.

In the second semester among the subjects discussed are the influence of French, Russian, and Scandinavian literatures, especially of the work of Zola and Ibsen on German literature; modern German realism and naturalism as represented by Fontane, Anzengruber, Wildenbruch, Hauptmann, Sudermann, Lilieneron, and Rosegger; the increased importance of women in literature, and the work of Marie von Ebner-Eschenbach, Louise von François, Ricarda Huch, Helena Böhlau, Isolde Kurz, Clara Viebig and others; the significance of Nietzsche for German life and literature; neo-romanticism and *Heimatsdichtung*.

Dr. Jessen offers in each year the following post-major course, open to graduate students:

Advanced Critical Reading.

One hour a week throughout the year.

The reading is selected from works discussed in the post-major lectures on literature. The students give reports on dramas or novels, the object of the discussion being to trace the characteristics of the author, as shown in his works. Special attention will be paid to the needs of students who intend to teach German.

Dr. Lasch offers in each year the following elective course, open to graduate students:

Advanced German Composition.

One hour a week throughout the year.

Difficult English prose selections are translated into German. The intention of the course is to increase the understanding and feeling for written and spoken German. Attention is paid to the needs of students intending to teach German.

GENERAL TEUTONIC PHILOLOGY.

The instruction in this department is under the direction of Dr. Agathe Lasch, Associate Professor of Teutonic Philology.

Special attention is called to the facilities for the study of comparative teutonic philology offered by Bryn Mawr College. The English and the German departments together have provided for a complete course in teutonic philology, comprising both the study of the individual languages (Gothic, Norse, Anglo-Saxon, Old Saxon, Old High German, Middle High German, Middle Low German, etc.) and the study of general comparative philology.

The courses in introduction to the study of teutonic philology, Gothic and Middle High German grammar, are designed for students in their first year of graduate study in Teutonic languages, and the remaining courses for students in their second or third year.

Students intending to elect Teutonic philology are advised to study Greek for at least one year during their undergraduate course.

GRADUATE COURSES.

Dr. Lasch offers in each year the following graduate seminary:

Teutonic Seminary.

Two hours a week throughout the year.

This seminary is arranged for the benefit of the most advanced students in Teutonic philology. Its object is to encourage independent work on the part of the students. The work consists mainly of the discussion of special topics by the instructor and the students. Members of the seminary are expected to study the literature on these subjects, and to make an effort to contribute some additional material, or an independent opinion of their own.

In 1913-14 the subjects of the seminary are taken from Middle High German texts. Problems in text criticism as well as literary problems connected with the works of Middle High German poets either of the classical period or of the periods preceding or following it are discussed.

In 1914-15 the first semester will be devoted to High German texts from the fourteenth to the seventeenth century. The material will be taken either from official documents of this period belonging to various parts of Germany or from the works of writers such as Murner, Hans Sachs, Luther, and others; or from grammatical works of this period in Müller's *Quellenschriften und Geschichte des deutschsprachlichen Unterrichts*, John Meier's *Neudrucke älterer deutscher Grammatiken*, etc. They are selected to illustrate the development of Modern High German. In the second semester Old Saxon texts (*Heliand* and *Genesis*) will be studied.

In 1915-16 Old High German texts such as *Merseburger Zaubersprüche*, *Muspilli*, and *Hildebrandslied* will be studied. The many problems that these texts offer and the various attempts to solve them will be discussed.

The order of these seminary subjects may be changed in accordance with the requirements of the students in any particular year.

Dr. Lasch offers in each year the following graduate courses:

Introduction to the Study of Teutonic Philology.

One hour a week throughout the year.

After a discussion of the aim and method of historical and comparative grammar, these lectures deal with the relation of Teutonic to the cognate Aryan languages. A brief sketch of the single Aryan languages is given, followed by a more comprehensive discussion of the Teutonic languages and chiefly of the West Germanic branch.

Gothic.

Two hours a week throughout the year.

Gothic phonetics and inflection are studied in connection with the elements of comparative Aryan grammar; on the other hand the Gothic forms are compared with those of other Teutonic languages. Braune's *Gotische Grammatik* (8th ed., Halle, 1912); or Streitberg's *Gotisches Elementarbuch* (3rd ed., Heidelberg, 1910) are used as text-books.

As a thorough knowledge of Gothic is the foundation of the study of historical and comparative Teutonic grammar, every graduate student of Teutonic grammar is advised to take this course as early as possible. *Die gotische Bibel* (ed. by W. Streitberg, Heidelberg, 1908) is used by the more advanced students.

Middle High German Grammar and reading of Middle High German Texts.

Two hours a week throughout the year.

This course includes a brief abstract of Middle High German grammar and literature with special reference to the difference between Middle High German and Modern German, and a study of the most prominent authors in Middle High German. Selections from classi-

cal Middle High German poets are read, and also selections from the *Nibelungenlied*, a brief account being given of the history and development of the *Nibelungenlied* and its manuscripts.

Students of Middle High German should be provided with Paul's *Mittelhochd. Grammatik* (7th ed., Halle, 1911), or Michels's *Mittelhochd. Elementarbuch* (2nd ed., Heidelberg, 1912).

This course is required of all students that make German the minor subject in their examination for the degree of Doctor of Philology.

The private reading includes the works of the authors treated in the course.

Old Norse.

Two hours a week throughout the year.

Students entering this course are supposed to be acquainted with Gothic and with Anglo-Saxon or Old High German grammar. In the grammatical part of the course the Norse sounds and forms are studied and compared with those of the Gothic and West-Germanic dialects.

In the first year's course prose texts will be read; in the second year the Edda will be studied and some of the problems connected with the study of the Edda will be discussed.

The books used are Heusler's *Altisländisches Elementarbuch* (Heidelberg, 1913 and some of the *Islendinga sögur* (*Altnordische Saga-Bibliothek*) and Hildebrand-Gering's *Edda* (3d ed., Paderborn, 1913).

Attention is called to the facilities afforded for the study of Old Norse. A considerable portion of the library of the late philologist, Th. Wisén, of Lund, was acquired by Bryn Mawr College, and hence the library is probably as well supplied as any other college library in the United States with Old Norse texts, Norse periodicals, and works on Old Norse language and literature.

Dr. Lasch offers in 1913-14 and again in 1915-16 the following graduate courses:

Old High German.

Two hours a week throughout the year.

This course includes a practical study of Old High German grammar, and a comparison of the Old High German sounds and forms with those of Gothic, Middle and Modern High German. The relations with other cognate languages of the Teutonic branch as well as other Aryan languages (chiefly Latin) are also discussed. Selections are read from Old High German texts, arranged so as to proceed from easy to more difficult pieces, and to illustrate the difference between the Old High German dialects.

Comparative Teutonic Grammar.

One hour a week throughout the year.

The study of comparative Teutonic philology is recommended to those students only who are acquainted with the single old Teutonic languages, and have studied Gothic, Old High German, Old Saxon, Anglo-Saxon, and Norse. The object of the course is to compare the various old Teutonic languages with each other and with the related Aryan languages,—or in other words (1) to reconstruct the primitive Teutonic language; (2) to point out the characteristic features of primitive Teutonic in distinction from primitive Aryan; (3) to carry down the history of early Teutonic from the period of unity into the early stages of the individual Teutonic languages.

Dr. Lasch offers in 1914-15 and again in 1916-17 the following graduate courses:

Old Saxon.

Two hours a week during the second semester.

The work presupposes on the part the students a sufficient knowledge of Gothic and Old High German. Holthausen's *Altsächsisches Elementarbuch* (Heidelberg, 1900) or Gallée, *Altsächsische Grammatik* (2nd ed., Halle, 1910), the *Heliand* (Behaghel's edition), and Zangemeister-Braune's *Bruchstücke der altsächsischen Bibeldichtung* (Heidelberg, 1894) are used.

History of Modern High German.

One hour a week throughout the year.

These lectures deal with the history of the development of the German written language during the Modern High German period. The most important *Kanzleisprachen*, the most prominent *Druckersprachen*, Luther, Modern German sounds and forms in their relation to the German dialects and to the rules of the *Bühnenaussprache*, will be discussed.

In addition to the above courses, others in Old Frisian, Middle Low German, or Modern Low German may be arranged for students that have previously studied Gothic, Old and Middle High German, Anglo-Saxon, and Old Saxon.

ROMANCE LANGUAGES.

French.

The instruction in this department is under the direction of a Professor of French Literature to be appointed; Dr. Richard Thayer Holbrook, Associate Professor of French Philology and Italian, Mr. Louis Cons, Associate in French, and Dr. Eunice Morgan Schenck, Reader in French.

GRADUATE COURSES.

There are offered each year three distinct graduate courses in French, two in literature and one in language, and these courses are varied so that they may be pursued by students through three or more consecutive years.

Students who choose French literature as their major subject in their examination for the degree of Doctor of Philosophy must offer French philology as one of the minor subjects and students who offer French philology as a major subject must offer French literature as one of the minor subjects.

The Professor of French conducts in each year the following graduate seminary:

Seminary in French Literature.

Three hours a week throughout the year.

In 1914-15 the subject of the seminary will be Romanticism and Realism in the 19th century as illustrated by Chateaubriand, Sénancourt, Benjamin Constant, De Maistre, Lamennais, Fourier, Saint-Simon, and others; Romanticism of Victor Hugo; a careful study of *Les Misérables*; philosophical and historical realism (Renan, Taine).

In 1915-16 the subject of the seminary will be Montaigne. Various problems connected with his life, his relations to Protestantism and to the political problems of his time, the question of the authorship of the *Discours sur la servitude volontaire*, the origin and sources of the essays, Montaigne and the Renaissance, and Montaigne and Plutarch are discussed. A special study is made of Montaigne's style and of the *Apologie de Raymond de Sebonde*.

In 1916-17 a study will be made of Rabelais. The investigations of Abel Lefranc on Rabelais will be brought into connection with the "Conteurs" and also with such writers as Bernard Palissy and Ambrose Paré.

Mr. Cons conducts in each year the following graduate seminary:

Seminary in French Literature.

Two hours a week throughout the year.

In 1913-14 the subject of the seminary is Molière. The subjects studied are French Comedy before Molière; Molière's comedies, their Latin, Italian, and French sources; his style and method of composition; the nature of his "comique," his philosophy and his morality.

The subject of the seminary in 1914-15 will be Ronsard and the *Pléiade*, the object being to determine the origin, the extent and the success of the Renaissance movement in France. The chief works of Ronsard and his successors, especially Du Bellay and Baif are read and discussed.

In 1915-16 the subject of the seminary will be *La 'Matière de Bretagne' et l'épopée courtoise*. The course includes a careful study of *Lais* of Marie de France, the poems referring to Tristan, and the *Romans* of Chrétien de Troie; these are studied in connection with the question of their origin in Celtic countries and their later development in France. The different theories that have been proposed as to their origin and evolution are examined and discussed and an attempt is made to determine their comparative value.

Dr. Holbrook offers in each year the following graduate courses:

The course in Old French Philology is intended for students in their first year of graduate study; that in Provençal and the Old French Seminary for students in their second or third year of graduate study; the Journal Club may be attended by students in their first, second, or third year of graduate study. The course in Old French Readings is designed to be taken in connection with the seminary in Old French.

Old French Philology.

Three hours a week throughout the year.

This course consists of lectures on the phonology, morphology, and syntax of Old French, and is designed not only for students whose main pursuit is Romance philology, but also for those who wish to acquire more precise knowledge of the French elements in Middle English. The main principles of Historical Grammar are studied in the *Extraits de la Chanson de Roland*, published by Gaston Paris, and in various texts in L. Constans's *Chrestomathie*. Other books used are Passy's *Sounds of the French language*, Grandgent's *Introduction to Vulgar Latin*, Nyrop's *Grammaire Historique de l'Ancien Français*, and Schwan-Behrens's *Grammaire de l'Ancien Français*.

Old French Readings.

Two hours a week throughout the year.

Various typical Old French masterpieces are studied from a scientific standpoint. The essential facts of Old French grammar are reviewed and rare or difficult locutions are minutely examined for the sake of precise interpretation; dialectal features are considered and attention is given to the relation of manuscripts to printed texts. In addition to the works named below, students are expected to supply themselves with Gaston Paris's *Littérature française au moyen âge*.

The following courses may be rearranged to suit the needs of students in any particular year.

In 1913-14 attention is given mainly to epic and historical works: Wace, *Le pèlerinage de Charlemagne*, Villehardouin, Joinville, and other chroniclers.

In 1914-15 the texts studied will be Marie de France (*Lais*), Aucassin et Nicolette and the Yvain or Cligès of Chrestien de Troyes.

In 1915-16 this course will be devoted chiefly to study of the following texts: *Maistre Pierre Pathelin* and Villon.

Old French Seminary.

Two hours a week throughout the year.

The work of the seminary is on the most important Old French dialects. Texts in Norman, Picard, Francian, and Franco-Provençal are studied with reference to their dialectal features in order that the student may acquire the power to determine approximately the origin of other texts in which the same dialectal features occur.

Old Provençal.

Two hours a week throughout the year.

This course is intended for students of Old French who wish to begin the study of the language and literature of the Troubadours. The books required are Grandgent's *Outline of the Phonology and Morphology of Old Provençal* (Boston, 1905) and Appel's *Provenzalische Chrestomathie* (latest edition).

Dr. DeHaan, Dr. Holbrook, Mr. Cons, and Dr. Schenck together conduct the journal club in Romance languages.

Romance Languages Journal Club.

One and a half hours a fortnight throughout the year.

The journal club is intended to make the advanced students familiar with all the important European periodicals and with new books dealing with Romance Philology. For each session of the club an important article chosen from some one of the various periodicals is assigned to a student for review. The student is also referred to previous articles or publications treating of the same subject as that of the review, and is expected to present to the club a chronological outline of the history and stages of the discussion on the given point. Thus the students become familiar with the names of leading Romance scholars and with the particular lines of research in which each of the latter excels. At the same time such reviews prepare the way for seminary work and original investigations.

POST-MAJOR COURSES.

Mr. Cons offers in 1913-14 the following post-major course, open to graduate students:

Modern Literary Schools and Tendencies in France.

Three hours a week throughout the year.

Modern French Symbolists from Verlaine to the writers of the present day will be studied in connection with modern conditions in France.

In 1914-15 the following post-major course is open to graduate students:

Modern French Drama.

Three hours a week throughout the year.

The lectures deal with post-romanticism, realism, and mysticism on the French stage. Rostand, Brieux, and Maeterlinck will be specially studied.

Dr. Schenck offers in 1913-14 and again in 1915-16 the following post-major course, open to graduate students:

The Short Story (*Nouvelle*) in the Nineteenth Century.

Two hours a week throughout the year.

In the first semester the *nouvelles* of the romantic period are studied in the works of Chateaubriand, Nodier, Vigny, Musset, Balzac, Mérimée, and Gautier. The lectures of the second semester treat the development and modification of realism by Flaubert, Zola, Daudet, Coppée, Loti, Bourget, France and others, while a careful study of the technique of the *nouvelle* is made in connection with Maupassant.

Dr. Schenck offers in 1914-15 and again in 1916-17 the following post-major course, open to graduate students:

French Lyric Poetry of the Nineteenth Century.

Two hours a week throughout the year.

In the first semester the lectures treat lyric poetry until the year 1866. Special attention is paid to the period from 1850 to 1866. Lamartine, Hugo, Sainte-Beuve, Vigny, and Musset are studied only so far as is necessary for the understanding of the evolution of lyric poetry in their successors, Baudelaire, Gautier, Banville, Leconte de Lisle, Sully Prudhomme, Coppée, Mendès, etc. The lectures of the second semester treat lyric poetry from 1866 to the present day. A careful study is made of the Parnassian school. Throughout the course the lectures are supplemented by the critical reading of texts.

Italian.

The instruction in this department is under the direction of Dr. Richard Thayer Holbrook, Associate Professor of French Philology and Italian.

GRADUATE COURSES.

Dr. Holbrook offers in each year the following graduate courses:

Italian Philology.

One hour a week throughout the year.

This course presupposes a knowledge of Old French Philology and the equivalent of the minor and major courses in Italian offered at Bryn Mawr College. The work is founded upon the treatise entitled *Die Italienische Sprache* by D'Ovidio and Meyer Lübke in Gröber's *Grundriss* (Strassburg, 1906). Various passages from thirteenth and fourteenth century authors are examined critically from a phonological and morphological point of view.

Old Italian Readings.

One hour a week throughout the year.

Students should provide themselves with the first volume of D'Ancona and Bacci's *Manuale della Letteratura Italiana* (Florence, 1904).

Dr. DeHaan, Dr. Holbrook, Mr. Cons and Dr. Schenck together conduct the journal club in Romance languages.

Romance Languages Journal Club.

One and a half hours a fortnight throughout the year.

Dr. Holbrook offers in each year the following undergraduate courses, open to graduate students:

FIRST YEAR.

Modern Italian.

Five hours a week throughout the year.

This course is designed to prepare beginners for the study of Italian literature, as well as for the practical use of the language. Reading is taken up from the start, a careful pronunciation is insisted upon, and the essentials of the grammar are taught by a critical observation of the texts used and by graded exercises in the rendering of English into Italian. The books used are the following: C. H. Grandgent's *Italian Grammar*; Stories by Fogazzaro and Hecker's *Il Piccolo Italiano*; Giuseppe Finzi's *Petrarca* (1900); De Marchi's *Storie*; selections from the verse and prose of Renato Fucini and others.

SECOND YEAR.

Italian Classical Literature.

Two hours a week throughout the year.

The work in this course is to study selections in verse and prose from Ariosto and Tasso, then all the *Inferno* and parts of the *Purgatorio* and *Paradiso*. For Ariosto and Tasso the study of difficult modern prose and poetry may be substituted, with exercises in writing and speaking. Training in pronunciation will be given throughout the course. The lectures on literature are delivered in Italian.

Spanish.

The instruction in this department is under the direction of Dr. Fonger DeHaan, Professor of Spanish.

GRADUATE COURSES.

Dr. DeHaan conducts in each year the following graduate seminary:

Seminary in Spanish.

Three hours a week throughout the year.

Spanish language and literature before 1600 is the subject of the seminary.

Dr. DeHaan offers in each year the following graduate courses:

Spanish Philology.

One hour a week throughout the year.

Old Spanish Readings.

One hour a week throughout the year.

Dr. DeHaan, Dr. Holbrook, Mr. Cons and Dr. Schenck, together conduct the journal club in Romance languages.

Romance Languages Journal Club.

One and a half hours a fortnight throughout the year.

POST-MAJOR COURSES.

Dr. DeHaan offers in each year the following post-major course, open to graduate students:

Spanish.

Two hours a week throughout the year.

This course in composition and conversation is offered to those students who have completed the second-year course or its equivalent.

Dr. DeHaan offers in each year the following undergraduate courses, open to graduate students:

FIRST YEAR.

Spanish.

Five hours a week throughout the year.

The object of this course is to give beginners a good knowledge of modern Spanish, and to ground them thoroughly in the essentials of the grammar. As a preparation for understanding the spoken language, two half-hours a week during the second semester are devoted to dictation. The books studied are the following (taken up in the order indi-

cated): DeHaan's *Cuentos Modernos*; Pérez Nieva, *Tomás el torrero* (Madrid, *Colección Klong*); De Haan's *Selected Works of G. A. Béquer*; Hartzenbusch, *Los Amantes de Teruel* (Obras, vol. III.); Zorrilla, *Granada* (Madrid, 1895, 2 vols.).

Private reading: Palacio Valdés, *José*; Galdós, *Marianlea*.

SECOND YEAR.

Lectures in Spanish on Spanish Literary History of the Nineteenth Century. *Two hours a week throughout the year.*

Spanish Composition. *One hour a week throughout the year.*

Critical Reading in Spanish. *Two hours a week throughout the year.*

Private reading: Private reading supplementing the lectures on literary history comprises representative works in the various branches of literature.

COMPARATIVE LITERATURE.

The instruction in this department is under the direction of Dr. Orie Latham Hatcher, Associate Professor of Comparative Literature and Elizabethan Literature.

GRADUATE COURSES.

The seminary in comparative literature changes its subject of study from year to year through a cycle of three years. It may be taken by graduate students of English in connection with the seminary in Elizabethan literature or may be elected separately. The seminary in French literature, Romanticism and Realism, and the course in German major, Faust, may also be taken as courses in comparative literature. Students intending to do special work in comparative literature are advised to begin the study of Italian or Spanish or of both.

Dr. Hatcher conducts in each year the following graduate seminary:

Seminary in Comparative Literature. *Two hours a week throughout the year.*

In 1913-14 the seminary undertakes the study of the *novella* or the short prose tale on the continent as related to Elizabethan fiction and drama. Boccaccio, Cinthio, Bandello, Margaret of Navarre, Desperiers, Belleforrest, Painter, Pettio, Whetstone, etc., are among the novelists studied. Pre-requisite for the course, French and either Spanish or Italian.

In 1914-15 the subject of the seminary will be literary criticism in the late Renaissance. The beginnings of modern literary criticism of the more formal sort are sought in Italy, France and England in the sixteenth century. Late Renaissance theories as to the function of poetry, the nature of the epic, of tragedy, comedy, etc., are examined, as also the conflict of classicism and romanticism, etc. Each student is assigned a topic for original investigation. Students must consult the instructor as to linguistic equipment before registering for the course.

In 1915-16 Renaissance comedy, chiefly in the sixteenth century, is studied. Some preliminary consideration is given to mediæval contributions to Renaissance comedy, but Ariosto's revival of classical comedy is taken as the special starting point, and the development of literary comedy traced through other Italian plays and through the French,

Spanish and Elizabethan. The various types of comedy are analysed and illustrated in the reading required. Pre-requisite for the course, French and either Italian or Spanish. The order of these seminary subjects may be changed in accordance with the requirements of the students.

The following undergraduate courses may be attended by graduate students:

Dr. Hatcher offers in each year the following courses:

Elizabethan Lyrics in the light of their Origins.

Three hours a week throughout the year.

The object of the course is two-fold: to acquaint the student with the body of Elizabethan lyric poetry and to show the variety of its native and foreign origins. The lectures and a part of the reading will discuss the development on the continent of lyric themes and forms which later prevailed in Elizabethan England. A reading knowledge of French is required.

Renaissance Pastorals.

Three hours a week throughout the year.

The persistence and significance of the pastoral tradition in literature is examined and recognition is given to the large debt of moderns to the classical pastoralists, but the course is designed as a study of the pastoral vogue in the later Renaissance as expressed in its several forms. A reading knowledge of Latin and of French is required.

Dr. Hatcher offers in 1914-15 and in each succeeding year the following free elective course:

Dramatic Technique.

Two hours a week throughout the year.

The course does not attempt a historical survey of the development of drama as literature, but an inquiry into the essence of drama as such, the nature of its appeal, and its more striking forms,—as comedy, tragedy, melodrama, etc. The plays read are chosen as being illuminating in connection with this inquiry. Students electing the course are expected to do a considerable amount of reading in either French or German and a small amount in the other of these two languages. The minor Latin course in Terence and the major course in Roman Comedy offer valuable preliminary work for this course.

SEMITIC LANGUAGES AND BIBLICAL LITERATURE.

The instruction in this department is under the direction of Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages.

The college was particularly fortunate in securing in the year 1892 the library of the late M. Arthur Amiaud, of Paris. While M. Amiaud was especially eminent as an Assyriologist, he was also prominent as a general Semitic student. His library was the collection of an active scholar, and forms a working library for the student in every department of Semitic study. It is especially rich in the Hebrew, Syriac, and Assyrian languages, containing several works, indispensable to the student, which

are now out of print. Another Semitic library containing many works on the Talmud and on Jewish literature was acquired in 1904. Mr. Albert J. Edmunds presented to the college in 1907 his library of 500 volumes on the history of religion. The contents of these libraries, together with the books already owned by the college and those easily accessible in neighboring libraries, form an exceptionally good collection of material for the specialist in Semitic languages. A good working collection of cuneiform tablets is under the control of the department, and affords an excellent opportunity for students of Assyrian to become familiar with original documents.

GRADUATE COURSES.

The graduate courses in Semitic languages are varied from year to year, as indicated below, so that they may be pursued by a student for four successive years. Those who offer Semitic languages as the major subject in the examination for the degree of Doctor of Philosophy are required to spend in Semitic work half their time for at least three years.

The work of the department is so arranged that students may specialise in Hebrew or Assyrian. Students who offer Hebrew or Assyrian as the major subject in the examination for the degree of Doctor of Philosophy must possess a knowledge of the grammatical forms of five Semitic languages and in this enumeration Syriac and Jewish Aramaic may not count as separate languages. Students that offer Semitic languages as the minor subject in the examination for the degree of Doctor of Philosophy must show that they have a knowledge of three Semitic languages.

The regular alternation of courses is indicated below and at least six hours a week will be given in each year, the courses being selected according to the needs of the graduate students. Graduate students may enter in any year of the four years' course, as there will be afforded each year an opportunity for graduate students to begin Hebrew.

No undergraduates are admitted to graduate courses.

Dr. Barton offers in 1913-14 and again in 1915-16 the following graduate courses:

Semitic Seminary.

Two hours a week throughout the year.

The work of the seminary is continued as given in 1912-13.

Hebrew, The Prophets.

One hour a week throughout the year.

The text of one or more of the Prophets is critically interpreted, and Hebrew syntax and composition are studied.

Hebrew Literature.

One hour a week throughout the year.

This course is devoted to a study of the Prophets, the Pentateuch, and the historical books of the Old Testament.

Seminary in New Testament Greek.

One hour a week throughout the year.

Elementary Hebrew.

One hour a week throughout the year.

Egyptian.

One hour a week throughout the year.

The elements of Egyptian and Coptic grammar are taught, and some texts in each language interpreted.

Dr. Barton offers in 1914-15 and again in 1916-17 the following graduate courses:

Semitic Seminary.

Two hours a week throughout the year.

This seminary is devoted to Hebrew or Assyrian, the languages that may be offered as major subjects for the doctor's degree. The time may be devoted to one of these languages, or may be divided between the two, according to the needs of the students. In Assyrian the subject may be chosen from one of the following: the oldest Babylonian inscriptions, temple archives of Telloh, Sumerian hymns, the code of Hammurabi, Semitic contracts or mythological poetry. In Hebrew, one of the following subjects may be selected: the historical books, Job, the Psalter, Isaiah, Jeremiah, Ecclesiastes and the Song of Songs, or Hebrew Epigraphy. In the Hebrew seminary the students are trained in textual criticism through the use of the ancient versions.

Elementary Semitic Languages.

Two hours a week throughout the year.

This course may be devoted to the elements of Hebrew, or of Aramaic (Syriac and Jewish Aramaic), or Assyrian, or Arabic according to the needs of the students. The time may, if necessary, be divided between two of these languages.

Seminary in New Testament Greek.

One hour a week throughout the year.

The work of the seminary is varied from year to year, so that a continuous course, covering the interpretation and the literary problems of the entire New Testament and the sub-Apostolic literature, may be pursued through four years. A year is devoted to the New Testament Epistles, another to the interpretation of the Gospels and the Synoptic and Johannine problems, a third to the books of Acts and Revelation, and a fourth to the Apostolic Fathers. During the first year of her work each student is given guidance in a course of reading on the history of the text and the science of textual criticism and also guidance in the practice of this discipline.

Seminary in Aramaic and Arabic.

Two hours a week throughout the year.

This seminary is devoted to Arabic or Aramaic, the languages that may be offered as minor subjects for the doctor's degree. The time may be devoted to one of the languages, or may be divided between the two, according to the needs of the students. In Arabic the subject may be chosen from one of the following: the Coran, pre-Islamic poetry, Arabic geographers, or South Arabic inscriptions. In Aramaic, one of the following subjects may be selected; a comparative study of the Syriac Versions of the Gospels, the Syriac Version of one of the Old Testament books, the writings of Gregory Bar Hebraeus, or of Efraem, the Targum on one of the Old Testament books, the Talmud, or Aramaic inscriptions.

Comparative Semitic Grammar.

One hour a week throughout the year.

The grammar of Brockelmann is used as a basis with comparisons from the Egyptian and other Hamitic languages.

Ethiopic.

One hour a week throughout the year.

The grammar and *Chrestomathia* of Praetorius and Dillmann are used, and in the latter part of the course selections are read from the book of Enoch.

FREE ELECTIVE COURSES.

The courses in Biblical Literature and Oriental History are intended primarily for undergraduate students, but may be elected by graduate students also.

Dr. Barton offers in 1913-14 and again in 1915-16 the following free elective courses in Biblical literature:

History of Christian Doctrine.

Two hours a week throughout the year.

In the first semester Christianity is studied as presented by its Founder and by the apostles, and in the second semester the history of Christian doctrine from 100 A.D. to the present time is briefly reviewed, and problems presented by modern thought are touched upon.

History of the New Testament Canon.

One hour a week throughout the year.

This course consists of a study of the New Testament, similar in its methods and aims to the course on the Old Testament Canon.

Dr. Barton offers in 1914-15 and again in 1916-17 the following free elective courses in Biblical literature:

New Testament Biography.

Two hours a week throughout the year.

The first semester of this course is devoted to a careful study of the life and teaching of Christ; the second semester to the life and teaching of St. Paul. The Gospels and Epistles are read, together with the most helpful of the modern works on these topics. The course is illustrated by photographs of the most important places connected with the lives of Christ and St. Paul.

History of the Old Testament Canon.

One hour a week throughout the year.

In this course the history of the composition and collection of the books of the Old Testament is studied. The instruction is given in lectures, and reading is assigned in the Old Testament and in modern literature concerning it.

Dr. Barton offers in each year the following course:

Oriental History.

Three hours a week throughout the year.

This course treats in broad outlines the history and civilisation of the Classical Orient. The beginnings of the Hamito-Semitic race, and the influence of environment upon its primitive institutions are first studied. The separation of the races into the different nations is then traced, and the history of the principal Oriental nations, Egyptians, Babylonians, Assyrians, Phœnicians, Hebrews, Hittites, Sabæans, and Persians; of Alexander and his successors; of the Parthians, and the oriental empire of the Romans, is followed in outline. Special attention is paid to the history of the Hebrews, and to their unique religious contribution to the civilisation of the world. The course concludes with a study of the Arabic caliphates, and of Mohammedan civilisation. The lectures are illustrated by archaeological specimens and by photographs. Either semester may be elected separately.

Dr. Barton offers in each year, when the time of the department permits, the following free elective courses:

Biblical Geography and Archæology.

Two hours a week throughout the year.

The course begins with a survey of the physical features of Palestine and an estimate of their effect upon its civilisation. The succession of races dominant in Palestine since the beginning of history is then reviewed, after which the positions of the places important

in the Biblical narratives are carefully noted. The principal Biblical narratives are studied in connection with the geography of the country and the archæological remains of the period. In this way the narratives of the Patriarchs, Kings, Prophets, and Apostles, as well as the life of Christ, are illustrated. The course is illustrated by photographs. Use is made throughout the course of the publications of the Palestine Exploration Fund, and of other modern explorers.

HISTORY.

The instruction in this department is under the direction of Mr. Clarence H. Haring, Associate in History, Dr. William Roy Smith, Associate Professor of History, and Dr. Paul Van Brunt Jones, Lecturer in History, Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages, and Dr. James Fulton Ferguson, Associate in Latin and Ancient History.

GRADUATE COURSES.

Two distinct seminary courses in English and European history and in American history are offered to graduate students in history in addition to a course in Historical Method and Bibliography and the direction of private reading and original research.

No undergraduates are admitted to graduate courses.

Mr. Haring conducts in each year the following graduate seminary:

Seminary in English and European History.

Three hours a week throughout the year.

In 1913-14 the seminary deals with social and economic problems in the history of England under the Tudors. The growth of capital and its effect on commercial and industrial practice, enclosures and the decay of agriculture, the rise in prices, foreign commercial policy and the evolution of the merchant companies are among the topics for discussion.

In 1914-15 the subjects of the seminary will be the economic relations of Spain with Europe and America in the sixteenth century, the creation of the Spanish system of commercial monopoly centered at Seville, the evolution of the scheme of annual treasure fleets to Vera Cruz and Nombre de Dios, the growth of Spanish-American trade and the share in that trade acquired by the northern maritime nations, and the influence of the importation of bullion from Mexico and Peru upon prices in Spain and the rest of Europe.

In 1915-16 the subject of the seminary will be England under the early Stuarts. The work is concerned especially with foreign policy and the organisation and expansion of foreign trade.

Dr. W. R. Smith conducts in each year the following graduate seminary:

Seminary in American History.

Two hours a week throughout the year.

In 1913-14 the revolution, the confederation and the constitution are the subjects of study. American history from 1776 to 1789 is discussed primarily from the local point of view as a step in the conflict between the seaboard aristocracy and the democracy

of the frontier. The social and economic forces which led to the adoption of the Federal Constitution and the subsequent formation of national political parties are investigated.

In 1914-15 the subject of the seminary will be slavery and the negro problem. After a preliminary survey of the history of slavery in the colonial period such topics as the slavery compromises of the constitution, the growth of slavery in the South, the abolition of the slave trade, the Missouri Compromise, the anti-Slavery movement, nullification, the Mexican War, the Wilmot Proviso, the compromise measures of 1850, the Kansas-Nebraska bill, the Dred Scott decision, the abolition of slavery, and the adoption of the thirteenth, fourteenth and fifteenth amendments will be discussed. Special attention will be paid to the conflict between sectionalism and nationalism and the connection between slavery, territorial expansion, and the development of constitutional theories.

In 1915-16 the American colonies in the seventeenth and eighteenth centuries will be the subjects of the seminary. The political, constitutional, and social problems of the colonies in the seventeenth century will be studied in the first semester. In the second semester special stress will be laid upon the development in the eighteenth century of the imperial administrative machinery and upon the ethnical distribution of population in the colonies.

Dr. Jones offers in 1914-15 the following graduate course:

Historical Method and Bibliography. *One hour a week throughout the year.*

The matters dealt with in this course are the field of history and its relations to allied subjects; the evolution of the scientific historical method; the outlines of historical bibliography; the great collections of printed material; archives and MSS.; the work and rank of leading historians of the modern school. Throughout the course practical studies will be assigned to illustrate the subjects under discussion. A reading knowledge of French and German is required.

Mr. Haring, Dr. Smith and Dr. Jones conduct in each year the historical journal club.

Historical Journal Club. *Two hours once a fortnight throughout the year.*

The instructors in the department of history and the graduate students who are pursuing advanced courses in history meet once a fortnight to make reports upon assigned topics, review recent articles and books, and present the results of special investigations.

POST-MAJOR COURSES.

Mr. Haring offers in 1913-14 and again in 1915-16 the following post-major course, open to graduate students:

England under the Stuarts. *Two hours a week throughout the year.*

The principal aspects of the narrative and constitutional history of England in the seventeenth century are studied in some detail. Use is made of general histories but the work of the students will, as far as possible, be done from State papers, published correspondence, etc. The course is conducted by lectures, discussions and oral reports from members of the class.

Mr. Haring offers in 1914-15 and again in 1916-17 the following post-major course, open to graduate students:

England under the Tudors. *Two hours a week throughout the year.*

This course is conducted on the same general plan as the preceding course.

Dr. W. R. Smith offers in 1913-14 and again in 1915-16 the following post-major course, open to graduate students:

American Constitutional History to 1783.

Three hours a week throughout the year.

The text-books used in the course are MacDonald's *Select Charters of American History* and *Select Documents of the History of the United States*. The members of the class are also systematically referred, not only to the general authorities, but also to colonial charters and constitutions, the records of the colonial governments as far as they are available, the journals of Congress, and other documentary materials.

Dr. W. R. Smith offers in 1914-15 and again in 1916-17 the following post-major course, open to graduate students:

American Constitutional History, from 1783 to 1865.

Three hours a week throughout the year

The lectures deal with the leading aspects of the political, constitutional, and economic history of the United States from the ratification of the constitution to the present time. The text-book used is MacDonald's *Select Documents of the History of the United States*, but frequent additional references are given to the leading secondary authorities. To a limited extent use will be made of such documents as are available in the library, and special topics will be assigned for discussion and report.

Mr. Jones offers in 1914-15 the following post-major course, open to graduate students:

England since 1714.

Two hours a week throughout the year.

This course is conducted by means of lectures, assigned readings, and written reports. Its purpose is rather to explain than to narrate. Therefore the treatment is topical as well as chronological, emphasis being laid upon those political, social, and constitutional changes which have made modern England. Among the topics discussed are the rise and fall of the Whig oligarchy, the evolution of the cabinet system, the rise of Methodism, the American Revolution as a constitutional question, England and the French Revolution, the industrial revolution, parliamentary reform, England and the Monroe doctrine, the repeal of the corn laws, Home Rule, and present-day Liberalism.

Dr. Ferguson offers in 1913-14 and again in 1915-16 the following post-major course, open to graduate students:

The Roman Empire in the Third and Fourth Centuries.

Two hours a week throughout the year.

In this course a study is made of the forces which led to the fall of the Western Empire. Economic decay, the caste system, religion, the growth of absolutism, are subjects which will be specially studied. Independent investigation of particular topics will be required.

This course was given one hour a week during 1913-14.

Dr. Ferguson offers in 1914-15 and again in 1916-17 the following post-major course, open to graduate students:

The Hellenistic Age.

Two hours a week throughout the year.

This course consists of a study of the Greek world from Alexander to its conquest by Rome; special emphasis will be placed on commercial expansion, growth of national tendencies, intellectual awakening, and the effect on the Roman world. Independent investigation of particular topics will be required.

ECONOMICS AND POLITICS.

The instruction in this department is under the direction of Dr. Marion Parris Smith, Associate Professor of Economics and Politics, Mr. Sydney D. M. Hudson, Lecturer in Political Science, and Mr. Frederick Archibald Dewey, Lecturer in Economics and Sociology.

GRADUATE COURSES.

One seminary in economics and one in political science are offered each year in addition to the direction of private reading and original research. An advanced course in statistics will also be given. Post-major courses amounting to five hours a week which may be elected by graduate students are given in each year.

No undergraduates are admitted to graduate courses.

Dr. M. P. Smith offers in each year the following graduate seminary:

Economic Seminary.

Two hours a week throughout the year.

In 1913-14 the subjects of the seminary are the problems of distribution and the agencies in modern social life that effect the distribution of wealth. Special attention is paid to the study of the minimum wage, the various plans for controlling large scale production, modern land systems, etc.

In 1914-15 the subject of the seminary will be Economic Theory in England and America in the nineteenth century with special attention to the ideas of free trade and protection.

In 1915-16 the currency and banking systems of the United States will be the subject of the seminary.

Mr. Hudson offers in 1913-14 the following graduate seminary:

Political Seminary.

Three hours a week throughout the year.

The methods of instruction in the seminary are designed to guide advanced students in special research work along the lines indicated by the titles of the courses. Some lectures are given but the main attention is devoted to the presentation and criticism of the results of studies made by the students themselves.

A study is made of the origin and content of the political thought expressed in the Constitution of the United States. American political ideas of the constitution-making period are considered in relation to their colonial and European sources. Chief attention, however, is devoted to the debates in the Convention of 1787, the discussion of the constitution in connection with the state-ratifying conventions, and the course of political thought during the period of federalist supremacy under the new government. An attempt is made to estimate such relatively permanent political principles as may be discovered with respect to the applicability to present problems.

The following graduate seminary will be offered in each year by an instructor whose appointment will be announced later:

Seminary in Political Science.

Two hours a week throughout the year.

The subject of the seminary in 1914-15 will be problems in government. Comparative studies will be made of certain governmental problems in the United States, England, France, and Germany.

In 1915-16 the American political system, national, state, and local will be studied.
In 1916-17 problems in American constitutional law will be the subject of the seminary.

Mr. Dewey offers in 1914-15 the following graduate course:

Statistical Sociology.

One hour a week throughout the year.

This course will deal with statistical methods of studying social phenomena. It will follow lines of work indicated and suggested by Professor Franklin H. Giddings.

Dr. M. P. Smith, Mr. Hudson and Mr. Dewey conduct in each year the economic journal club.

Economic Journal Club.

Two hours once a fortnight throughout the year.

At the meetings recent books and articles are reviewed and the results of special investigations presented for discussion, comment, and criticism.

POST-MAJOR COURSES.

Dr. M. P. Smith offers in 1913-14 and again in 1915-16 the following post-major course, open to graduate students:

Economic and Social Legislation in England and America since 1890.

Two hours a week throughout the year.

The first semester is devoted to a review of recent English legislation dealing with trade unions, workmen's compensation, minimum wages, the sweated trades, old age pensions, unemployed, child-welfare, and the land system. In the second semester American legislation on these subjects is reviewed, as well as recent Anti-Trust legislation. Special topics are assigned to students for reports, and attention is given to the use of original source material.

Dr. M. P. Smith offers in 1914-15 and again in 1916-17 the following post-major course, open to graduate students:

American Social Problems.

Two hours a week throughout the year.

The object of this course is to trace certain social movements in the United States from 1865 to the present time. Special studies are made in the changes in rural and urban population; the development of city life; the problems of country life; immigration, the race problem; recent developments in Education; the care of defectives, and poor relief. Special topics are assigned to students for reports and attention is given to the use of original source material.

Mr. Hudson offers in 1913-14 the following post-major course, open to graduate students:

American Constitutional Law.

Three hours a week throughout the year.

In this course the leading principles of the American constitutional system are examined. The course deals principally with the federal constitution and the decisions of the Supreme Court of the United States. Some attention is given, however, to state constitutions and the decisions of state courts. Stress is laid upon decisions relating to social and economic questions.

Mr. Dewey offers in 1913-14 and again in 1914-15 the following post-major course, open to graduate students:

Elements of Statistics.

Three hours a week throughout the year

Proper methods of obtaining and handling statistics, such as vital, health, trade statistics, working men's budgets, etc., are developed. The course first treats of the various methods of obtaining statistics. Tabulation, representation through averages, the mode, etc., are then discussed and also pictograms. Simple methods of analysing the data and treating them mathematically are described and an actual investigation is then undertaken by the students. The course consists of two lectures, and two and a half hours of laboratory work each week. In 1913-14 this course was given as a two hour course.

Philosophy.

The instruction in this department is under the direction of Dr. Theodore de Leo de Laguna,* Professor of Philosophy, Dr. Grace Mead Andrus de Laguna,† Associate in Philosophy, Dr. Donald Fisher, Associate in Philosophy, Miss Marion Reilly, Dean of the College and Reader in Philosophy, and Dr. Emil Carl Wilm, Lecturer (elect) in Philosophy.

GRADUATE COURSES.

A seminary in ethics or in the theory of values, a seminary in philosophical systems, and a seminary in logic and metaphysics are offered each year. The subjects of study are changed from year to year through a cycle of three years. Ten hours a week of advanced undergraduate courses are also open to graduate students.

No undergraduates are admitted to graduate courses.

Dr. T. de Laguna conducts in 1913-14 and 1915-16 and Dr. Fisher conducts in 1914-15 the following graduate seminary:

Ethical Seminary.

Three hours a week throughout the year.

In 1913-14 the subject of the seminary is English evolutionary ethics, as exemplified in the writings of Darwin, Spencer, Clifford, Stephen, Alexander, and Hobhouse, and as criticised by Green, Sorley, Huxley, and Pringle-Pattison. Special attention is given to the problem of determining the nature and limitations of the genetic method as applied in ethical research.

In 1914-15 the seminary will meet two hours a week throughout the year. The subject will be the theory of values. There will be a study of the concepts of value and valuation, and of their application in recent theories of ethics, aesthetics, and epistemology. Use will be made of the writings of Meinong, Urban, Münsterberg, Ehrenfels, Maier, and Rickert.

In 1915-16 the subject will be recent French ethics; Durkheim, Levy-Bruhl, Fouillée, Rauh, Belot, and Paulhan.

Dr. G. A. de Laguna† conducts in each year the following graduate seminary:

Metaphysical Seminary.

Two hours a week throughout the year.

* Granted leave of absence for the year 1914-15. The courses offered by Professor Theodore de Laguna will be given by Dr. Wilm.

† Granted leave of absence for the year 1914-15. The courses offered by Dr. Grace de Laguna will be omitted in 1914-15.

In 1913-14 the subject of the seminary is inductive and genetic logic. The theories of Sigwart, Wundt, Bradley, Bosanquet, Dewey, and Baldwin are the basis of study.

In 1914-15 the subject will be contemporary realism, special attention being given to the various phases of the movement in England and in this country. Its historical sources, and its relations to subjective idealism as well as to absolute idealism and pragmatism, will be carefully studied.

In 1915-16 the subject will be English empiricism. Special attention will be paid to its connections with associationism, and to the development of the theory of scientific method.

Dr. Fisher conducts in 1915-16 and in 1916-17 and Dr. Wilm conducts in 1914-15 the following graduate seminary:

Seminary in Philosophical Systems.

Two hours a week throughout the year.

In 1914-15 the subject of the seminary will be Hegel and Schopenhauer, and the seminary will meet three hours a week throughout the year.

In 1915-16 the subject will be Descartes, Spinoza, and Leibniz, studied with special reference to their views of the relation between idea and object.

In 1916-17 the subject will be Kant. The principal writings of the critical period will be read, and a careful study will be made of the final organization of Kant's system in the *Critique of Judgment*.

Miss Reilly offers in each year the following graduate course:

Modern Problems in Logic.

Two hours a week throughout the year.

This course is conducted according to the seminary method.

Dr. T. de Laguna,* Dr. G. A. de Laguna* and Dr. Donald Fisher conduct in each year the philosophical journal club.

Philosophical Journal Club.

Two hours once a fortnight throughout the year.

The advanced students and the instructors meet to report on and discuss recent reviews

The following advanced undergraduate courses may be attended by graduate students:

Dr. T. de Laguna* offers in each year the following courses:

Modern Philosophical Classics.

Three hours a week during the first semester.

Selections from the principal writings of Bacon, Hobbes, Locke, Berkeley, Hume, Descartes, Spinoza, and Leibniz are read and discussed.

Philosophical Problems.

Two hours a week during the second semester.

The discussions in this course are devoted mainly to problems concerning the nature of the soul, the relation between consciousness and behaviour, and the sources and limits of human knowledge.

German Idealism.

Two hours a week during the first semester.

This course is introduced by a series of lectures upon the philosophy of Kant. The post-Kantian systems occupy the greater part of the semester.

Elementary Ethics.

Three hours a week during the second semester.

This course forms a critical and historical introduction to ethical science. Selections representative of the various ancient and modern schools are studied, and the semester concludes with a series of lectures upon recent theories of moral evolution.

* See footnote, page 102.

Dr. Fisher offers in each year the following courses:

Elementary Logic.

Two hours a week during the first semester.

An introduction to deductive and inductive logic, including the theories of definition and classification, the transformation of judgments, the canons of the syllogism, the formation of concepts, the general methods of observation and experiment, analogy, and the use of hypotheses. This course was given by Dr. T. de Laguna in 1913-14.

Recent Philosophical Theories.

Three hours a week during the second semester.

This course includes a discussion of such doctrines as pragmatism, idealism, neo-realism, etc.

Plato and Aristototle.

Three hours a week during the first semester.

The course is a study of the two principal Greek systems, based upon the reading (in translation) of selected dialogues and treatises.

Comte, Mill, Spencer.

Two hours a week during the second semester.

Psychology.

The instruction in this department is under the direction of Dr. James H. Leuba,* Professor of Psychology, Dr. Clarence Errol Ferree, Associate Professor of Psychology and Director of the Psychological Laboratory, Dr. Kate Gordon, Associate Professor of Education, Mr. Chester Elijah Kellogg, Lecturer (elect) in Psychology, and Dr. Gertrude Rand, Demonstrator in Psychology and Reader and Demonstrator in Educational Psychology.

GRADUATE COURSES.

Five hours of graduate lectures and seminary work are offered in each year in addition to the direction of private reading and original research. Ten hours a week of advanced undergraduate courses are also open to graduate students. The laboratories of experimental psychology are open for research work.

Dr. Leuba* offers in each year the following graduate seminary:

Psychological Seminary.

Two hours a week throughout the year.

As the foundation of the work of the seminary one or two of the following subjects will be chosen each year: feeling and emotion; attention, apperception, the will; the psychology of religion and of ethics; language, myths, customs; psychology of the beautiful; psychiatry and criminology; animal and child psychology. In 1913-14 the subject of the seminary was the psychology of religion. In 1914-15 the subject will be mind and body, and will lead up to a discussion of the philosophical status of psychology.

Dr. Ferree offers in each year the following graduate course:

Systematic Psychology.

Three hours a week throughout the year.

* Granted leave of absence for the year 1914-15. The courses offered by Professor Leuba will be given by Mr. Kellogg in 1914-15.

This course is intended, primarily, to give a systematic presentation of the literature of experimental psychology. Due consideration, however, will be given to all points of systematic importance. The work is grouped about the following topics: sensation, the simpler sense complexes, perception and ideas, feeling and the affective processes, attention, action, and the intellectual processes (memory, association, imagination, etc.). The course covers three years; but the topics chosen and the time devoted to each vary from year to year according to the needs of the students.

Psychological Laboratory Work.

The laboratory work consists of individual practice and research.

Dr. Leuba* and Dr. Ferree together conduct in each year the psychological journal club.

Psychological Journal Club.

One hour a week throughout the year.

The advanced students meet with the instructors once a week to hear or read reports on the literature of the subject and on the work done in the laboratory.

The following advanced undergraduate courses may be attended by graduate students:

Dr. Leuba* offers in each year the following courses:

The Psychology of Instinct, Emotion, and the Will.

Two hours a week during the first semester.

Psychology (Animal Psychology). *Two hours a week during the second semester.*

Although this course does not necessitate a special knowledge of biology, yet it appeals to students of that science since it deals with animal behaviour. Time is spent on an analysis of the methods and mental processes by which animals learn. This part of the course is of special interest to students of education because of the light thrown upon the problems of mental acquisition in man.

Applied Psychology; Industrial Efficiency, Psychotherapy, Legal Psychology. *Two hours a week throughout the year.*

In 1914-15 this course will be given by Mr. Kellogg in place of the course on social psychology given in 1913-14 by Dr. Leuba. The first part of the course will deal with individual differences, statistical methods, correlation of mental traits, mental tests; this will be followed by a study of industrial efficiency, vocational guidance and training, the regulation of conditions of labor, fatigue, climate, mental efficiency, advertising, salesmanship, etc.

In the second semester such topics as hypnotism, hysteria, mental deficiency, eugenics, legal procedure, evaluation of evidence, etc., and finally, methods of scientific research will be investigated.

Dr. Ferree and Dr. Rand offer in each year the following course:

Experimental Psychology.

Three hours a week throughout the year.

Laboratory work.

Two hours a week throughout the year.

The lectures constitute an abbreviated course in systematic psychology in which the historical, critical, and theoretical features of the subjects covered are discussed and the experimental features demonstrated. The laboratory work consists of individual practise in selected topics.

* See footnote, page 104.

Dr. Gordon offers in each year the following course:

Educational Psychology.

Two hours a week throughout the year.

Laboratory work.

Two hours a week throughout the year.

This course is intended not only for prospective teachers but for all students interested in psychology and in education. The problems of psychology which have a direct application to educational practise are considered theoretically and experimentally.

Dr. Ferree offers in each year the following course:

Advanced Experimental Psychology.

Two hours a week throughout the year.

This course consists of five hours laboratory work a week, the students being assigned problems to investigate.

Education.

This school is organized in part from the Phebe Anna Thorne Endowment and is connected with the Phebe Anna Thorne Model School.

The instruction in Education is under the direction of Dr. Kate Gordon, Associate Professor of Education, Dr. Matilde Castro, Director of the Phebe Anna Thorne Model School, Professor James H. Leuba,* Professor of Psychology, Dr. Clarence Errol Ferree, Associate Professor of Experimental Psychology and Director of the Psychological Laboratory, and Dr. Gertrude Rand, Reader in Educational Psychology.

The work of the School of Education is intended for graduate students only. No undergraduate students are permitted to take any graduate work in education although graduate students may if they so desire elect undergraduate courses in education and psychology and other subjects. The courses are planned for graduate students who wish to study education for one, two, and three years on the principle that about one-half of the student's time will be given to purely educational courses and the remaining half to courses in the subjects in which she is preparing herself to teach. In the second half of each year there will also be provided opportunities for practice in teaching. The degree of Master of Arts in Education is open to graduates of Bryn Mawr College only. Graduates of other colleges receive diplomas certifying to the work that they have taken in the Graduate School of

* See footnote, page 104.

Education. The degree of Doctor of Philosophy in Education is open to graduates of all colleges of high standing under the general conditions prescribed for the degree of Doctor of Philosophy.

The Phebe Anna Thorne School.

The Phebe Anna Thorne School opened in the autumn of 1913 under the direction of the Bryn Mawr College Graduate School of Education. It is maintained by an endowment of one hundred and fifty thousand dollars given by the executors of the estate of the late Phebe Anna Thorne to perpetuate her deep interest in school education and her desire to further research in the best methods of teaching school subjects. The Phebe Anna Thorne School is an integral part of the Graduate School of Education and affords its students an opportunity to follow the work of the expert teachers of the model school and discuss in seminars conducted by the professors of education the various problems of teaching and administration as they arise from day to day. Pupils are admitted at ten years of age and will be fitted to enter Bryn Mawr and other colleges on the completion of a seven years' high school course based on the soundest available theory and practice of teaching to be found in this country or abroad. Wherever a new method of teaching a high school subject is known to have succeeded it will be studied and introduced into the model school and the results on the pupils of different methods of teaching the same subjects will be tested and compared in the psychological laboratories of the college. It is believed that the opportunity thus afforded of studying the newest approved methods of secondary teaching will enable teachers who have studied in the Graduate School of Education to teach more efficiently and to command materially higher salaries.

FIRST YEAR.

(Given in 1913-14.)

Dr. Leuba offers in 1913-14 the following graduate course:

The Psychology and Treatment of Deficient and Unusual Children.

Two hours a week throughout the year.

Dr. Ferree offers in 1913-14 the following graduate courses:

Systematic Psychology.

Three hours a week throughout the year.

This course is intended for graduate students who have already taken a course in experimental psychology and gives a systematic presentation of the literature of experimental psychology. Due consideration, however, is paid to all points of systematic importance. The work is grouped about the following topics: sensation, the simpler sense complexes, perception and ideas, feeling and the affective processes, attention, action, and the intellectual processes (memory, association, imagination, etc.). The course covers three years, but the topics chosen and the time devoted to each vary from year to year according to the needs of the students.

Experimental Psychology.

Three hours a week throughout the year.

This is an undergraduate course forming part of the minor or second year's work in psychology and all graduate students of education are required to take this course or to have taken its equivalent. It should be substituted in the first year for the course in systematic psychology by students who have not had equivalent work. Two hours a week of laboratory work are required in connection with this course.

Dr. Gordon offers in 1913-14 the following graduate courses:

Psychology applied to Teaching.

Two hours a week throughout the year.

In connection with this course students are required to take two hours a week of laboratory work.

History of Education.

Two hours a week during the first semester.

Dr. Gordon and Dr. Castro together conduct the seminary and journal club in education and the observation classes.

Seminary in Methods of Teaching.

Two hours a week throughout the year.

Journal Club in Education.

Two hours once a fortnight throughout the year.

Observation Classes.

Two hours a week throughout the year.

Five hours a week counting as a two hour lecture course are spent in the observation of teaching in the Phebe Anna Thorne School and in other schools.

Mr. King offers in 1913-14 the following graduate course:

English Enunciation.

One hour once a fortnight throughout the year.

SECOND YEAR.

(Given in 1914-15.)

Dr. Ferree offers in 1914-15 the following graduate course:

Systematic Psychology.

Three hours a week throughout the year.

This course is given as in 1913-14 for graduate students who were not qualified to take it in the first year.

Dr. Rand offers in 1914-15 the following graduate course:

Advanced Psychology applied to Teaching.

One hour a week throughout the year.

In this course training is given in the methods of testing children for fatigue, efficiency, etc. Four hours of laboratory work are required in connection with this course.

Dr. Gordon conducts in 1914-15 the following seminary:

Seminary in Methods of Teaching. *Two hours a week throughout the year.*

Dr. Castro conducts in 1914-15 the following seminary:

Seminary in Child Psychology. *Two hours a week throughout the year.*

Dr. Gordon and Dr. Castro together conduct the journal club in education and the observation classes:

Journal Club in Education. *Two hours once a fortnight throughout the year.*

Observation Classes. *Two hours a week throughout the year.*

Mr. King offers in 1914-15 the following graduate course:

Elocution. *Two hours once a fortnight throughout the year.*

There will be offered in each year:

Practicum in the subject in which the student wishes to teach conducted by the professors in the subject concerned. *One hour a week throughout the year.*

THIRD YEAR.

(Given in 1915-16.)

Dr. Gordon, Dr. Ferree and Dr. Rand together conduct in 1915-16 the following course:

Special Laboratory Problems in Educational Psychology. *Three hours a week throughout the year.*

Dr. Gordon offers in 1915-16 the following graduate course:

Comparative Education. *Three hours a week throughout the year.*

Dr. Leuba offers in 1915-16 the following graduate course:

Abnormal Psychology. *Two hours a week throughout the year.*

Dr. Gordon and Dr. Castro together conduct the seminary and journal club in education and the observation classes.

Seminary in Education. *Two hours a week throughout the year.*

Journal Club in Education. *Two hours once a fortnight throughout the year.*

Observation Classes. *Two hours a week throughout the year.*

Mr. King offers in 1915-16 the following graduate course:

Elocution. *Two hours once a fortnight throughout the year.*

There will be offered in each year:

Practicum in the subject in which the student wishes to teach conducted by the professors in the subject concerned. *One hour a week throughout the year.*

Classical Archæology.

The instruction in this department is under the direction of Mr. Rhys Carpenter, Lecturer in Classical Archæology and Dr. Mary Hamilton Swindler, Demonstrator and Reader in the History of Art and Classical Archæology.

An archæological seminary of two hours a week throughout the year is offered to graduate students who have done elementary archæological work, and also a journal club meeting one and a half hours a fortnight. In addition individual students will be directed in special work by means of private conferences.

The undergraduate work is divided into courses of three hours a week, and two hours a week, and these change from year to year, affording a series of instruction in painting, architecture, and sculpture.

GRADUATE COURSES.

A seminary in archæology and a journal club in archæology are offered to graduate students in addition to the undergraduate courses which are open also to graduate students. A reading knowledge of French and German is indispensable for graduate work in archæology.

No undergraduates are admitted to graduate courses.

Mr. Carpenter conducts in each year the following graduate seminary:

Archæological Seminary.

Two hours a week throughout the year.

This course is open only to graduate students who have had some previous training in classical archæology. The order of the subjects may be changed in accordance with the needs of the students.

In 1913-14 Greek architecture is the subject of the seminary in the first semester and Roman Architecture and topography in the second semester.

In 1914-15 Greek and Roman sculpture will be studied in the first semester and fifth century Greek vases in the second semester.

In 1915-16 ancient coins will be studied in the first semester and Greek and Roman minor arts (bronzes, terra-cottas, gems, etc.) in the second semester.

Archæological Journal Club. *One and a half hours a fortnight throughout the year.*

The graduate students and the instructors meet for the presentation and discussion of topics of current archæological literature.

The following undergraduate courses may be attended by graduate students:

Mr. Carpenter offers in 1913-14 and again in 1915-16 the following courses, open to graduate students:

Greek and Roman Sculpture.

Three hours a week throughout the year.

The development of Greek sculpture from its beginnings to the end of the Hellenistic period is traced and the course closes with a brief survey of Roman sculpture. The course is illustrated by lantern slides.

Art and Life in Hellenistic Towns. *Two hours a week during the second semester.*

The course consists of a reconstruction, from existing remains, of town and city life in the period between the death of Alexander the Great and the Roman domination. The course is illustrated by lantern slides.

Mr. Carpenter offers in 1914-15 and again in 1916-17 the following courses, open to graduate students:

Greek and Roman Architecture. *Three hours a week throughout the year.*

The object of the course is to give a comprehensive knowledge of the art of building from the Neolithic age in Greece to the early Christian era at Rome. Emphasis is laid on the evolution of architectural styles and their influence on modern building. The course is illustrated by lantern slides.

The Roman World. *Two hours a week during the first semester.*

The course will trace the spread of Roman culture through the ancient world, as illustrated by the existing remains, and will deal with the art and daily life of the period.

Greek and Roman Minor Arts. *Two hours a week during the second semester.*

The course treats of Greek and Roman bronze statuettes, terra-cotta figurines, coins, gems, silver-ware, mirrors, etc., mainly for their artistic and cultural interest. The first six lectures will deal with Cretan and Mycenaean art. This course supplements that on Greek vase-painting given in the first semester.

Dr. Swindler offers in 1913-14 and again in 1915-16 the following course, open to graduate students:

Ancient Painting. *Two hours a week throughout the year.*

This course is concerned chiefly with vases and with Pompeian wall-paintings. A good collection of original material for the illustration of Greek vases is in the possession of the department. The course is illustrated by lantern slides.

Dr. Swindler offers in 1914-15 and again in 1916-17 the following courses, open to graduate students:

Greek Vase-painting. *Two hours a week during the first semester*

The course will illustrate in detail the artistic development of Greek vase decoration and further will form an introduction to the mythology and daily life of ancient Greece.

Rome, its Buildings and Art. *Two hours a week during the second semester.*

The course reconstructs, from existing remains, the development of Rome as a city through Republican and Imperial times, and continues the course on The Roman World given in the first semester.

History of Art.

The instruction in this department is under the direction of Miss Georgiana Goddard King, Lecturer in the History of Modern Art, and Dr. Mary Hamilton Swindler, Demonstrator and Reader in the History of Art and Classical Archæology.

A seminary in History of Art of two hours a week throughout the year is offered to graduate students who have done elementary work in history of art.

In addition to the graduate seminary announced, other courses will be provided as need for them arises, and individual students will be directed in special work by means of private conferences.

GRADUATE COURSE.

Miss King conducts in each year the following graduate seminary:

Seminary in Modern Painting.

Two hours a week throughout the year.

In addition to working with books and photographs the students will be required to make short day-trips to study pictures.

In 1914-15 the subject of the seminary will be the Barbizon School.

In 1915-16 the pre-Raphaelite movement and its outcome, the æsthetic movement, will be studied.

In 1916-17 the subject will be painting since 1875. Impressionism, post-Impressionism, and the recent revolutionary movements will be considered and as a fair number of representative pictures are accessible in public or private collections the student will be expected to form an opinion of her own.

The following undergraduate courses may be attended by graduate students:

Miss King offers each year the following courses, open to graduate students:

Italian Painting of the Renaissance from the Middle of the Thirteenth to the Middle of the Sixteenth Century. *Three hours a week throughout the year.*

In the first semester the Italian Primitives are studied, chiefly in the schools of Florence, Siena, and Umbria; in the second semester the painters of the High Renaissance, with special attention to those of Venice and the north of Italy.

Gothic Architecture.

Two hours a week throughout the year.

The first semester is devoted to Romanesque and pointed architecture in Italy and Germany, with special attention to the introduction of Gothic into Italy by the Cistercians, and the second semester to the development of Gothic in France and Spain with parallels from English ecclesiastical architecture.

Painting in the Seventeenth and Eighteenth Centuries.

Three hours a week throughout the year.

In the first semester the Dutch, German, and Flemish painters will be studied, in the second semester the French, Spanish, and English.

Renaissance Sculpture.

Two hours a week throughout the year.

The first semester is devoted to the sculpture of the Italian Renaissance, the second chiefly to Northern art, and in especial to figure sculpture in France from the building of the Cathedrals to the close of the Renaissance. The great sculptors of Germany and Spain will be studied carefully in conclusion.

Mathematics.

The instruction in this department is under the direction of Dr. Charlotte Angas Scott, Professor of Mathematics, and Dr. James Ryals Conner, Associate in Mathematics.

GRADUATE COURSES.

The graduate courses consist of lectures and seminary work supplemented by private reading under the direction of the instructors, the courses being arranged each year with reference to the wishes and degree of preparation of the students concerned.

No undergraduates are admitted to graduate courses.

Dr. Scott offers in 1913-14 the following graduate course:

Theory of Surfaces.

Two hours a week throughout the year.

In this course a general knowledge of plane algebraic curves and the elements of solid analytical geometry is presupposed. During the first semester the simpler properties of non-singular surfaces and projective properties of curves and developables are taken up; the properties of ruled surfaces and of surfaces in general are treated in the second semester.

Dr. Scott offers in 1914-15 the following graduate course:

The Topology of Algebraic Curves.

Two hours a week throughout the year.

This course deals with the visible properties of plane algebraic curves, the number, nature and relation of the real components of singularities; the number, nature and arrangement of the distinct circuits; and also, though in less detail, with similar investigations relating to curves in space.

Dr. Scott offers in 1915-16 the following graduate course:

Geometrical Transformations.

Two hours a week throughout the year.

During the first semester the work deals with Cremona transformations in a plane; the more general theory of geometrical transformations is taken up during the second semester.

Dr. Conner offers in 1913-14 the following graduate course:

Theory of Groups.

Two hours a week throughout the year.

The theory of abstract finite groups is first developed. Permutation and substitution groups are taken up and applications to the theory of equations and to geometry discussed.

Dr. Conner offers in 1914-15 the following graduate course:

Differential Geometry.

Two hours a week throughout the year.

An account of the classical theory of the infinitesimal properties of curves and surfaces will first be given. The modern development of the subject will then be studied and special attention will be paid to metrical notions.

Dr. Conner offers in 1915-16 the following graduate course:

Calculus of Variations.

Two hours a week throughout the year.

The foundations of the subject will be laid with careful attention to mathematical rigour. Numerous problems chosen from a wide range of subjects will be proposed and investigated.

Dr. Scott and Dr. Conner together conduct the journal club.

Mathematical Journal Club.

One hour a fortnight throughout the year.

The journal club holds fortnightly meetings at which reports on special topics or memoirs are presented by the instructors and the graduate students.

POST-MAJOR COURSES.

The post-major courses in mathematics are designed to bridge over the interval between the ordinary undergraduate studies and advanced work. They deal, therefore, with the subjects of the major course carried to higher developments and treated by higher methods. As the order of mathematical studies differs in different colleges, graduate students frequently find it advisable to devote a part of their time to these courses. Regular written work is expected from all mathematical students, and a reading knowledge of French and German is presupposed.

The post-major courses in any one year amount to four hours a week. The courses given are the following with occasional modifications:

I. (a.) Lectures Introductory to Modern Analytical Geometry, in connection with Salmon's *Conic Sections* and Scott's *Modern Analytical Geometry*.

or, I (b.) Lectures on Modern Pure Geometry.

or, I. (c.) Lectures on Special Topics in Geometry, such as Homogeneous Coordinates, Circular Coordinates, Families of Curves, Certain Transcendental Curves, Geometrical Transformations, etc.

Special permission to take this course before completing the two years of the major course may be granted to students whose work in the major course has shown that they are able to profit by the lectures.

II. (a.) Lectures Introductory to Modern Algebra, in connection with Salmon's *Modern Higher Algebra*, and Elliott's *Algebra of Quantics*.

or, II. (b.) Lectures Preparatory to the Theory of Functions, in connection with Harkness and Morley's *Introduction to the Theory of Analytic Functions* and Chrystal's *Algebra*, Vol. II.

or, II. (c.) Lectures on Differential Equations, ordinary and partial.

or, II. (d.) A general course in Analysis, dealing with the higher development of subjects only touched upon in the major course, such as Determinants, Fourier's Series, Infinite Series, Definite Integrals, etc.

or, II. (e.) Elementary Theory of Numbers.

In 1913-14 the following post-major courses are offered:

I. (a.) Dr. Scott.

Two hours a week throughout the year.

II. (b.) Dr. Conner.

Two hours a week throughout the year.

In 1914-15 the following post-major courses are offered:

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| I. (c.) Dr. Scott. | <i>Two hours a week throughout the year.</i> |
| II. (e.) Dr. Conner. | <i>Two hours a week throughout the year.</i> |

In 1915-16 the following post-major courses are offered:

- | | |
|----------------------|--|
| I. (a.) Dr. Scott. | <i>Two hours a week throughout the year.</i> |
| II. (d.) Dr. Conner. | <i>Two hours a week throughout the year.</i> |

FREE ELECTIVE COURSES.

Dr. Scott offers in 1913-14 and again in 1915-16 the following free elective course, open to graduate students:

Graphic Mathematics. *One hour a week throughout the year.*

The course deals with statistical work, probability, and theory of errors. It is recommended to students of economics as well as to students of physics. No knowledge of mathematics beyond the requirement for matriculation is presupposed.

Dr. Scott offers in 1914-15 and again in 1916-17 the following free elective course, open to graduate students:

Fundamental Theorems of Algebra and Geometry. *One hour a week throughout the year.*

Certain standard problems of historical interest are considered in order to elucidate some of the fundamental principles of mathematics. Either semester may be taken separately. No knowledge of mathematics beyond the requirement for matriculation is presupposed. It is hoped that the work will prove useful to those intending to teach elementary mathematics.

Dr. Conner offers in 1913-14 and again in 1914-15 the following free elective course, open to graduate students:

Descriptive Astronomy. *Two hours a week throughout the year.*

The subject will be treated from an elementary point of view. Such advanced mathematics as seems desirable will be developed in the lectures.

The following free elective course, open to graduate students, will be offered when the time of the department permits:

Mathematics Preparatory to Science. *Two hours a week throughout the year.*

This course deals chiefly with parts of the differential and integral calculus, trigonometry, analytical geometry, and differential equations. Some problems in probability are also considered.

SCIENCE.

Physics, Chemistry, Geology, Biology.

Professors and instructors: Dr. Florence Bascom, Dr. William B. Huff, Dr. David Hilt Tennent, Dr. James Barnes,* Dr. Frederick Hutton Getman, Dr. Thomas Clachar Brown,

* Granted leave of absence for the year 1914-15.

Dr. Roger Frederick Brunel, Dr. Alfred Russell Moore, Dr. Annie Louise Macleod, Dr. Janet Tucker Howell (elect), Miss Mabel Frehafer, and Miss Mary Edith Pinney.

In January, 1893, the Trustees opened Dalton Hall, a large building, containing ample laboratories, lecture-rooms, research-rooms, special libraries, and professors' rooms for the work of the scientific departments. The chemical, geological, biological, and physical laboratories and the laboratory for experimental psychology are open for students from nine to six daily.

The chemical department includes a lecture-room, a large laboratory for the first-year students, and several smaller ones for advanced and special work, a special room for physical chemistry, preparation and balance rooms, and a chemical library. The supply of apparatus and chemicals has been carefully selected for the purpose of instruction and research, and is increasing from year to year. The chemical library contains, besides necessary treatises and reference books, complete sets of the most important chemical journals.

The geological department is equipped with large collections of minerals, rocks, and fossils, a carefully selected library, and laboratories furnished with maps, models, charts, lantern slides, petrologic microscopes, goniometers, and other apparatus necessary for work in undergraduate and graduate courses.

The biological laboratories are equipped with the best (Zeiss) microscopes, microtomes, etc., and are supplied with apparatus for the study of experimental physiology.

The physical laboratories are carefully furnished with the apparatus necessary for thorough work.

Graduate work in the natural sciences is highly special, and consists of laboratory work, private reading, and special investigations pursued by the student under the guidance of the instructors.

Physics.

The instruction in this department is under the direction of Dr. William B. Huff, Professor of Physics, Dr. James Barnes,* Associate Professor of Physics, Dr. Janet Tucker Howell,

* Granted leave of absence for the year 1914-15. The courses offered by Dr. Barnes will be given in 1914-15 by Dr. Howell.

Lecturer (elect) in Physics, and Miss Mabel Frehafer, Demonstrator in Physics.

GRADUATE COURSES.

The graduate courses consist of lectures, laboratory work, and original research under the direction of the instructors, the lecture courses varying from year to year so that they may be pursued by students through consecutive years. A good working library containing the current and bound numbers of all the important physical journals is kept in the laboratory.

No undergraduates are admitted to graduate courses.

Dr. Huff offers in 1914-15 the following graduate courses:

Radioactivity and Discharge of Electricity through Gases.

Three hours a week during the first semester.

The earlier lectures treat of the effect of fields on the path of a moving charged particle. A discussion of typical experimental methods of measuring velocity and the ratio of charge to the mass follows. After a study of the phenomena of electrical discharge and of radioactivity a brief account of theories is given.

Electron Theory.

Three hours a week during the second semester.

The mathematical development of the subject is presented in the lectures, with special reference to experimental tests of theory.

Dr. Huff offers in 1916-17 the following graduate course:

Mathematical Theory of Electricity and Magnetism.

Three hours a week throughout the year.

The lectures are based on Maxwell's standard work, and include a general account of the later development of the theory.

Dr. Barnes offers in 1913-14 the following graduate course:

Thermo-dynamics and Radiation.

Three hours a week throughout the year.

The modern developments of thermo-dynamics and radiation are considered. Attention is paid to the application of the laws of thermo-dynamics in physical chemistry.

Dr. Barnes offers in 1915-16 the following graduate course:

Physical Optics.

Three hours a week throughout the year.

This course gives a general mathematical discussion of physical optics. Students are expected to give detailed reports on the methods and results of investigations which illustrate the theory. When it seems desirable two and a half hours of experimental work will be substituted for one hour of the lecture course.

In each year Dr. Huff and Dr. Barnes together conduct the journal club, and the laboratory work.

Physical Journal Club.

One hour a week throughout the year.

The advanced students meet with the instructors once a week to hear or read papers on assigned topics in physics.

Laboratory work.

The laboratory work is arranged for the purpose of familiarising the student with the methods of research; the student begins by repeating methods and investigations of well-known experimenters, with any modifications that may be suggested, passing on to points of investigation left untouched by previous experimenters, and finally to the study of new methods and the prosecution of original research. Students taking physics as their chief subject for the degree of Doctor of Philosophy are expected to spend all the time possible in the laboratory. In the basement there is a constant-temperature vault designed for accurate comparison of lengths, etc., and the laboratory is provided with special rooms for magnetic, optical, and electrical work. A well-equipped shop and trained mechanics make it possible to have special forms of apparatus constructed which are needed in research work.

FREE ELECTIVE COURSES.

Dr. Huff offers in 1913-14 the following free elective course, open to graduate students:

Historical Development of Physics.

One hour a week throughout the year.

The work of this course consists of lectures, required reading, and class-room discussions. The lectures give an elementary presentation of some of the more important ideas and results of physics. The reading is intended to supplement the lectures and to provide additional material for general discussion. The course is open to students who have had a minor course in science or its equivalent.

Dr. Huff offers in 1914-15 the following free elective course, open to graduate students:

Physical Basis of Music.

One hour a week throughout the year.

In the lectures of this course it is planned to present some of the physical principles illustrated in the construction of musical instruments and underlying the general theory of music. Private reading will be assigned.

Dr. Barnes offers in 1913-14 the following free elective course, open to graduate students:

Astrophysics.

Two hours a week throughout the year.

This course consists of lectures on the application of physical principles and methods to the study of the composition, structure, and motions of the heavenly bodies. Clarke's *Problems in Astrophysics*, Darwin's *The Tides*, and selected chapters in Moulton's *Celestial Mechanics* will be read and discussed. The course is open to students who have taken the minor course in physics or the minor course in mathematics or courses equivalent to these.

POST-MAJOR COURSES.

Dr. Huff offers in 1913-14 the following post-major courses, open to graduate students:

Properties of Matter.

Three hours a week during the first semester.

The lectures cover the general subject of the properties of matter studied from the point of view of the Molecular Theory. The different theories of matter are discussed and an account of recent investigations concerning the relations of matter and electricity is given. Poynting and Thomson's *Properties of Matter* is read in connection with the course.

Theory of Sound.

Three hours a week during the second semester.

The lectures form an introduction to the theory of modes of vibration of pipes, strings, and rods. The theory of music and of musical instruments is then studied. Poynting and Thomson's *Sound* is used during the earlier part of the course, and frequent references are made to Helmholtz and Rayleigh.

Dr. Huff offers in 1915-16 the following post-major course, open to graduate students:

Electricity and Magnetism.

Three hours a week throughout the year.

The lectures of this course treat typical mathematical and experimental problems chosen from the various parts of the entire subject. A large number of problems on potential and attraction are assigned.

Dr. Barnes* offers in 1914-15 the following post-major course, open to graduate students:

Spectroscopy.

Three hours a week throughout the year.

The course begins with a complete discussion of the apparatus used in this subject; the results of past and present investigations are then considered, and problems for investigation are pointed out. The many important applications of spectroscopy to astronomy are not neglected. The standard book of reference is Kayser's *Handbuch der Spectroscopie*. Detailed reports of laboratory investigations are required.

Dr. Barnes offers in 1916-17 the following post-major course, open to graduate students:

General Optics.

Three hours a week throughout the year.

These lectures give a general discussion of the theories advanced to explain many phenomena in light. Students are required to have a good knowledge of elementary optics and to be sufficiently familiar with optical apparatus to undertake a detailed study of some special problem.

Chemistry.

The instruction in this department is under the direction of Dr. Roger Frederic Brunel, Associate in Chemistry, Dr. Frederick Hutton Getman, Associate Professor of Chemistry, and Dr. Annie Louise Macleod, Reader and Demonstrator in Chemistry.

GRADUATE COURSES.

The advanced courses in chemistry consist of lectures upon inorganic, organic, and physical chemistry, seminary work, reports upon current chemical literature, and laboratory exercises. In the laboratory work the students are required to become familiar with the literature bearing upon the subjects they are studying, and it is therefore necessary for them to have a reading knowledge of French and German.

The lecture courses are varied from year to year to meet the require-

* See footnote, page 116.

ments of students and to form a consecutive course for those who wish to make chemistry the chief subject in the examination for the degree of Doctor of Philosophy. Such students may specialise either in organic chemistry under the direction of Dr. Brunel, or in physical chemistry under the direction of Dr. Getman, but students who make organic chemistry the major subject of examination must take physical chemistry as one of their minor subjects, and students who make physical chemistry the major subject, must take organic chemistry as one of the minor subjects.

No undergraduates are admitted to graduate courses.

Dr. Brunel conducts in each year the following graduate seminary:

Chemical Seminary, Organic Chemistry. *One hour a week throughout the year.*

The students who specialise in organic chemistry present formal reports upon assigned topics.

Dr. Getman conducts in each year the following graduate seminary:

Chemical Seminary, Inorganic Chemistry. *One hour a week throughout the year.*

The course consists of lectures, required reading, and reports on various topics. The needs of the individual students are considered in selecting the subjects for discussion.

Dr. Brunel offers in each year the following graduate course:

Advanced Organic Chemistry. *Two hours a week throughout the year.*

Dr. Getman offers in each year the following graduate course:

Physical Chemistry. *Two hours a week throughout the year.*

In the lectures no attempt is made to give a general survey of the subject but certain selected portions of the science are treated in detail and the student is made familiar with problems of current interest.

Dr. Brunel and Dr. Getman together conduct the journal club.

Chemical Journal Club. *One hour a week throughout the year.*

The advanced students, with the instructors, meet to hear reports and discussions on recent scientific articles.

POST-MAJOR COURSES.

Dr. Brunel offers in each year the following post-major course, open to graduate students:

Organic Chemistry, selected topics. *One hour a week throughout the year*

The aim of this course is to lay the foundation for independent work in organic chemistry. The lectures begin with a study of current problems as illustrated by some particular class of organic compounds. This is followed by a discussion of the laboratory methods available for the solution of such problems.

The laboratory work is varied to meet the wants of the individual students. In general the student begins with the preparation of some of the more important substances that are discussed in the lectures. This is followed by organic analyses, molecular weight determinations, and the transformations necessary to establish the structural formulas of the substances prepared.

Dr. Getman offers in each year the following post-major courses, open to graduate students:

Physical Chemistry.

Two hours a week throughout the year.

The aim of the lectures is to extend the student's knowledge of theoretical and physical chemistry and to lay a foundation for independent work in this subject. The lectures are intended to give a general outline of the subject, the following topics being discussed: fundamental theories of chemistry; the periodic classification; the corpuscular theory of matter; the laws of gases, liquids and solids; osmotic pressure and dilute solutions; colloidal solutions; thermochemistry; homogeneous and heterogeneous equilibria; chemical kinetics; electrochemistry; actinochemistry, and radiochemistry. The solution of a large number of problems will be required.

The laboratory work amounting to four and a half hours a week is designed to prepare the students for physico-chemical research.

Inorganic Chemistry.

One hour a week throughout the year.

Selected topics in inorganic chemistry are discussed in detail and parallel reading is required. In the laboratory work of four and a half hours a week advanced qualitative analyses are included.

Dr. Macleod offers in each year the following post-major course, open to graduate students:

Chemistry of the Enzymes, with special reference to bacterial processes.

Two hours a week throughout the year.

This course is intended on the one hand for students who wish to teach chemistry and bacteriology, and on the other for those who desire to fit themselves for work in Public Health laboratories. It will consist of lectures, reports on assigned private reading, and laboratory work. While dealing primarily with the enzymes and the chemical reactions in which they play a part, special topics may be added to meet the requirements of individual students. Five hours laboratory work will be required.

Geology.

The instruction in this department is under the direction of Dr. Florence Bascom, Professor of Geology, and Dr. Thomas Clachar Brown, Associate in Geology.

The instruction offered in geology includes, in addition to the minor and major courses, four free elective courses of one and two hours a week respectively, four post-major courses of two and three hours a week open only to graduates and to undergraduates that have completed the major course in geology, and four graduate courses of two and three hours a week respectively.

Post-major courses in petrography, mineralogy, and paleon-

tology are offered in each year, and are designed to train the student in petrographic methods for the exact determination of rock species and rock families and in the principles of invertebrate and vertebrate paleontology. They are an essential preliminary to research work in the science.

Excellent illustrative material for the graduate and undergraduate courses is furnished by the geological and paleontological collections of the college, including the Theodore D. Rand rock and mineral collection, which alone contains over 20,000 specimens, by the private collections of the instructors, and by material lent by the United States Geological Survey; the department is also fortunate in its proximity to the museum of the Academy of Natural Sciences of Philadelphia; within easy reach of the college there are excellent collecting fields for fossil, mineral, and rock specimens.

GRADUATE COURSES.

The graduate courses in petrology and crystallography should be preceded by the major and post-major courses or their equivalents and are intended primarily for graduate students wishing to make geology a major subject for the degree of Doctor of Philosophy. The graduate course in crystallography is also intended to meet the needs of graduate students in chemistry who wish to make crystallography a minor subject for the degree of Doctor of Philosophy. The graduate courses in stratigraphic geology and paleontology and paleogeography are designed primarily for graduate students wishing to make geology a major subject for the degree of Doctor of Philosophy; they may also be taken by graduate students in biology who wish to make paleontology a minor subject for the degree of Doctor of Philosophy. Further graduate courses in petrology and paleontology will be arranged to suit the requirements of candidates for the degree of Doctor of Philosophy and research problems will be assigned.

Students may specialize either in petrology and crystallography, under the direction of Dr. Bascom, or in stratigraphic geology and paleontology, under the direction of Dr. T. C. Brown, but students who make petrology and crystallography the major subject of examination must take stratigraphic geology and paleontology as one of the minor subjects and students who make stratigraphic geology and paleontology the major subject, must take petrology as one of the minor subjects.

No undergraduates are admitted to the graduate courses.

Dr. Bascom conducts in each year the following graduate seminary:

Petrology.

One hour a week throughout the year.

This seminary will be conducted by means of informal discussions, required reading, and formal reports. The selection of subjects for discussion will be dependent upon the needs of the individual students.

Dr. T. C. Brown conducts in each year the following graduate seminary:

Stratigraphic Geology and Paleontology. *One hour a week throughout the year.*

The students who specialize in stratigraphic geology and paleontology present formal reports upon assigned topics.

Dr. Bascom offers in each year the following graduate courses:

Petrology. *Three hours a week throughout the year.*

The lectures deal with the problems of metamorphism of both aqueous and igneous rocks. The character of metamorphic processes and the conditions which control these processes, the megascopic and microscopic structures, and the criteria determining the origin, classification, geographic distribution, and geologic occurrence of metamorphic rocks are treated. Direction is given in topographic and geologic mapping with the use of the plane-table and alidade.

Crystallography. *Two hours a week throughout the year.*

Both the lectures and laboratory practice deal with crystal measurement by means of the two-circle reflecting goniometer, with crystal projection, crystal drawing, and the determination of the crystal elements.

The works of Goldschmidt, Hintze, Groth, Tschermak, and Dana are used as reference books.

Dr. T. C. Brown offers in each year the following graduate courses:

Stratigraphic Geology and Paleontology. *Three hours a week throughout the year.*

The lectures deal with the principles of sedimentation; the petrologic character, distribution, faunal contents, and geologic succession of the formations of North America. The limits of the various faunal provinces will be established so far as possible and the sediments deposited in the various epicontinental seas correlated. The diastrophic movements which threw the formations into folds producing mountain ranges and basins will receive special attention.

Paleogeography. *Three hours a week during the first semester.*

The lectures deal with all phenomena that throw light upon the extent, the relief, the climate and the life of the lands and seas of geologic time. Special attention will be given to the positive and negative movements of the strand line, the development of epicontinental seas, the distribution of atmospheric and oceanic currents, climatic changes, food supply, faunal provinces, and the effect of seas and barriers upon the distribution and migration of plants and animals. In the laboratory a number of the exercises will deal with the making of paleogeographic maps and models.

Dr. Bascom and Dr. T. C. Brown together conduct the journal club.

Geological Journal Club. *One hour a week throughout the year.*

The graduate students and the instructors meet for the presentation and discussion of recent geological literature.

POST-MAJOR COURSES.

Dr. Bascom offers in each year the following post-major courses, open to graduate students:

Petrography.

Three hours a week throughout the year.

During the first semester the lectures deal with the principles of optical crystallography, the optical means of mineral determination, and the petrographic characters of rock-forming minerals. In the second semester the structure, composition, characters, origin, geographical distribution, and geological associations of the igneous rocks are treated. Practice is given in the quantitative chemical classification of igneous rocks for the purpose of determining their position in the new system. Petrographical investigation in the field and laboratory is included in the course. The works of Groth, Rosenbusch, Zirkel, and Michel Levy are used for reference. Special field problems are given to the students for independent solution.

Determinative Mineralogy.

Two hours a week throughout the year.

In this course lectures and laboratory practice deal with the determination of minerals by means of physical tests and by blow-pipe analysis. Special emphasis will be placed on crystal forms and practice will be given in the use of the two-circle contact goniometer.

Dr. Brown offers in each year the following post-major course, open to graduate students:

Invertebrate Paleontology.

Three hours a week throughout the year.

The course presupposes a knowledge of historical geology. During the first semester a systematic study is made of the various classes of invertebrate animals which are found in a fossil state. Special attention is given to the relations of these classes to each other, and any bearing that this may have on the theory of evolution is pointed out. Those classes which are of practical value to the stratigraphic geologist in determining the geologic age of formations are dwelt upon at considerable length. Excursions are made to neighboring fossiliferous localities to collect fossils and to observe their occurrence in the rocks. The student has access, not only to the representative paleontological collection of Bryn Mawr College, but also to the large collections of the several academies and institutions in Philadelphia.

The work of the second semester is designed to make the students familiar with methods of applying a knowledge of invertebrate paleontology to the problems of geology. It will treat in detail each of the successive faunas or assemblages of animal life which have developed since the opening of the Cambrian period. An attempt will be made to show that each fauna was a direct response to the environment which surrounded it, and the probable geologic, physiographic, and climatic factors of this environment will be discussed.

Vertebrate Paleontology.

Two hours a week throughout the year.

A systematic study is made of the vertebrate remains which have been found as fossils. Since the vertebrate organisms represent the highest phase of development to which the animal kingdom has attained, a study of their past history is of prime importance in elucidating some of the most fundamental principles in the evolution of life.

FREE ELECTIVE COURSES.

Dr. Bascom offers in 1915-16 the following free elective course, open to graduate students:

Cosmogony.

One hour a week throughout the year.

The work of the course will be conducted by means of lectures, required reading, and class-room discussion. The lectures will treat of the origin of the earth, the growth of the

continents and the development of landscape, and will be illustrated by lantern slides. The reading is intended to supplement the lectures and to furnish further material for discussion. The course is intended to give a survey of the more important results reached by geological research.

Dr. T. C. Brown offers in 1913-14 and again in 1915-16 the following free elective course, open to graduate students:

Evolution of the Vertebrates.

Two hours a week throughout the year.

This course consists of lectures illustrated by charts, diagrams, lantern slides and photographs. It gives a comprehensive outline of the evolution of the vertebrates from the earliest appearance of representatives of this group to the present time. The vertebrate phylum not only contains the highest types of animal life but is the only phylum which has gone through the whole of its evolution since the beginning of geological history as recorded in the fossil-bearing rocks. The course will consider first those primitive types which perhaps represent ancestral vertebrate forms and then will consider in the order of their appearance the five great classes of Fishes, Batrachians, Reptiles, Birds, and Mammals. The rise and development of the mammals will be followed in considerable detail, and an attempt will be made to show the relation between the types which were developed and their environment including the geographic, physiographic, and climatic factors as well as the surrounding animal and plant life.

Dr. T. C. Brown offers in 1914-15 the following free elective courses, open to graduate students:

Meteorology.

One hour a week throughout the year.

This course will consist of a series of lectures, supplemented by required reading, on the general field of meteorology and the phenomena with which this science deals. The discussions will deal with the atmosphere, atmospheric temperatures and pressures; winds, dew, frost, clouds, rain, and snow; cyclonic storms, local storms, causes and distribution of rainfall; weather maps and weather predictions.

Geologic and Geographic Control in American History.

Two hours a week throughout the year.

The work in this course will consist of lectures and discussions, supplemented by private reading, concerning the effects of geologic and geographic features upon American history. The following selection will indicate the nature of the topics to be discussed: Topographic effects upon types of industry; mountains, valleys, and routes of travel; water power, mineral fuel, and manufacturing sites; mineral deposits and their effects upon the settlement of the western states; the "fall line" and the larger cities of the Atlantic coast.

Biology.

The instruction in this department is under the direction of Dr. David Hilt Tennent, Professor of Biology, Dr. Arthur Russell Moore, Associate Professor of Physiology, and Miss Mary Edith Pinney, Demonstrator in Biology.

GRADUATE COURSES.

The advanced courses are varied from year to year, so as to form a consecutive course for students that wish to make biology one of the chief subjects of the examination for the degree of Doctor of Philosophy. Such

students may specialise either in animal morphology under the guidance of Dr. Tennent, or in animal physiology under the guidance of Dr. Moore.

No undergraduates are admitted to graduate courses.

Dr. Tennent offers in each year the following graduate seminary:

Seminary in Zoölogy.

Three hours a week throughout the year.

In 1913-14 Genetics is the subject of the seminary. The work includes a discussion of biometrical methods and results; of investigations on "pure lines"; of the effectiveness of selection; of the relation between chromosomes and heredity; of various theories of heredity and of the application of these ideas in animal and plant breeding.

In 1914-15 the subject of the seminary will be Cytology. The work will deal with the anatomy of the cell and the relations and functions of its various structures in unicellular and multicellular organisms.

Special attention will be given to the phenomena of spermatogenesis and oögenesis and the theories connected therewith.

In 1915-16 the subject of the seminary will be the Embryology of Invertebrates. The work will include a systematic survey of the normal development of invertebrates; of the problems of germinal organization, cleavage and differentiation, and a discussion of the bearing of these questions on evolution and inheritance.

Dr. Moore offers in each year the following graduate seminary:

Physiology Seminary.

Two hours a week throughout the year.

In 1914-15 the subject of the seminary will be Internal Secretions. The work consists of reports by the students, and discussion of recent problems in the subject.

In 1915-16 selected problems dealing with the gastro-intestinal tract will be treated by similar methods.

The order of subjects may be varied to meet the needs of the students.

Dr. Tennent and Dr. Moore together conduct the journal club, and the laboratory work.

Biological Journal Club.

One hour a week throughout the year.

The advanced students and the instructors meet fortnightly for the discussion of topics of current biological literature.

Laboratory Work.

There is no regular course of laboratory instruction for graduates. Each student must devote a considerable portion of her time to such work and will be given a problem for verification or extension. The nature of the work depends in each case on the qualifications of the student.

POST-MAJOR COURSES.

Dr. Tennent offers in 1913-14 and again in 1915-16 the following post-major courses, open to graduate students:

Protoplasm, the Cell, and Cytological Technique.

One hour a week during the first semester.

This course consists of a study of the structure of protoplasm, the structure of the cell, the phenomena of cell division, maturation and fertilisation. Both plant and animal cells will be studied, and instruction will be given in methods of preparing cytological material for microscopical examination. This course is to be taken with four hours laboratory work as a two hour course.

Experimental Morphology.*One hour a week during the second semester.*

The object of this course is to give a general historical view of experimental morphology of both plants and animals, to discuss some of the methods employed, to point out the results already obtained, and to indicate the nature of the work now being done in the subject. The topics discussed are: regeneration in Protozoa and Metazoa, behaviour of lower organisms, experiments on the fertilised and unfertilised egg, Mendel's experiments in hybridisation, and De Vries *Oenothera* mutants. This course is to be taken with four hours laboratory work as a two hour course.

Dr. Tennent offers in 1914-15 and again in 1916-17 the following post-major courses, open to graduate students:

Embryology of Vertebrates.*One hour a week throughout the year.*

This course consists of lectures, assigned reading and laboratory work on the embryology of vertebrates. The lectures deal with the development of specific forms and with theoretical questions of embryological interest. The department has material for the study of the development of *Amphioxus*, *Ascidian*, *Amia*, *Lepidosteus*, *Squalus*, *Ctenolabrus*, *Necturus*, *Rana*, *Chrysemys*, *Chick*, and *Pig*. At least five hours of laboratory work will be required.

The course is divided as follows: First semester, Early stages of development. Second semester, Organogeny.

Dr. Moore offers in each year the following post-major course, open to graduate students:

Physiological Chemistry.*Three hours a week throughout the year.*

This course consists of lectures, recitations, assigned reading and laboratory work. Occasionally a member of the class is asked to report on an article from the literature of the subject. At least four hours a week of laboratory work are required. The laboratory work includes a study of the properties and reactions of proteins; fats and carbohydrates; of the digestive actions of the enzymes of the salivary, gastric, pancreatic and intestinal secretions and the bile; and of the milk, blood, and urine. A preliminary training in chemistry at least equivalent to that obtained in the minor course is required.

Dr. Moore offers in 1913-14 the following post-major course, open to graduate students:

The Special Senses.*One hour a week throughout the year.*

This course of lectures, recitations, assigned reading and laboratory work deals with the more important facts and theories regarding the action of the organs of special sense.

Dr. Moore offers in 1914-15 and again in 1916-17 the following post-major course, open to graduate students:

Comparative Physiology of the Central Nervous System.*One hour a week throughout the year.*

The function of the nervous system in invertebrates with reference to instincts and tropisms.

Lectures, experiments and reports on recent published work are required. The laboratory work and reading together amount to one and a half hours a week.

Dr. Moore offers in 1915-16 and again in 1917-18 the following post-major course, open to graduate students:

Recent Advances in Biochemistry.*One hour a week throughout the year.*

This course consists of lectures and reports on assigned reading dealing with the bio-chemistry of enzymes, secretion, fertilization, and development. The laboratory work and required reading together amount to one and a half hours a week.

Dr. Macleod offers in 1914-15 the following post-major course, open to graduate students:

Chemistry of the Enzymes, with special reference to bacterial processes.

Two hours a week throughout the year.

For description, see page 120.

Dr. Tennent and Dr. Moore conduct laboratory work in connection with the above courses:

Laboratory Work.

It is desirable that as much laboratory work as possible should be done in connection with the courses offered above. The object of the laboratory work is to give the student experience in the use of apparatus and in adapting it to research. Some special problem is assigned to each student; at the end of the year the results of the work are presented in writing.

FREE ELECTIVE COURSE.

Dr. Tennent offers in each year the following free elective course, open to graduate students:

Theoretical Biology.

One hour a week throughout the year.

This is a historical course dealing with the development of the theories of biology. Special attention is given to theories of evolution and heredity. The course is open to students who have had one year's training in science. A considerable amount of assigned reading is required.

COLLEGE BUILDINGS.

The college buildings are situated at Bryn Mawr, in the suburbs of Philadelphia, five miles west of the city, on the main line of the Pennsylvania Railroad. The site of the college is four hundred and twenty feet above sea level, in the midst of a beautiful rolling country made accessible by good roads in every direction. The college grounds cover fifty-two acres, and include lawns, tennis courts, and two large athletic fields, one of which is converted in winter into a skating-pond.

Taylor Hall (named after the founder), a large building of Port Deposit stone, contains a general assembly room, ten lecture-rooms, and the offices of administration.

The library, the gift of the friends, graduates, and students of the college, begun in April, 1903, was completed in February, 1907. It is built of gray stone in the Jacobean Gothic style of architecture of the period of 1630, and forms three sides of a closed quadrangle. The main building, devoted to the library

proper, faces east and is opposite and parallel to Taylor Hall at a distance of about fifty yards; the principal entrances of the two buildings face each other and are connected by a broad cement path. The east front is one hundred and seventy-four feet long and contains a three story stack with accommodation for eighty-eight thousand volumes, and above this a large reading-room with desks for one hundred and thirty-six readers, each desk screened to a height of two feet, as in the British Museum reading-room, to secure privacy to the reader. No books of reference are kept in the main reading-room. Beyond the reading-room on the south side are the newspaper and magazine rooms. On the north side are the Art and Archæological seminaries, containing collections of photographs, vases, and coins. The main building contains offices for the librarians and cataloguers, a professor's office, a new book room, and four cloak rooms. The wings of the building, running symmetrically about two hundred feet in length from the north and south ends of the main building, contain twelve seminary rooms and twenty-five professors' offices. The books needed for graduate study and research are kept in the seminary rooms where the graduate lectures are held. The seminaries are arranged as follows: Greek, Latin, English, German, French, Italian and Spanish, Semitic Languages and Philosophy in the north wing; Mathematics, History, Economics and Psychology, in the south wing. The total book capacity of the library including the seminary libraries and the books for general study which are kept in the stack, is 168,449 volumes. The building is absolutely fire-proof. Professors' offices for the senior professors in each department adjoin the seminary rooms. There are also two seminary lecture-rooms accommodating about fifteen students, one general lecture-room accommodating forty-two students, four interview rooms, and a library for the use of the Christian Union.

On the first floor of the south wing the department of experimental psychology has two large laboratories, one for general work and one for research. The basement of the north wing contains rooms for the Monograph Committee of the Faculty, the Alumnæ Association, and fire-proof safe rooms for the records and archives of the college. The quadrangular court enclosed by the building is surrounded by cloisters and in the

centre of the grass enclosure is a fountain, the gift of the class of 1901.

The library is open for students on week-days from 8 a. m. till 10 p. m. and on Sundays from 2 p. m. till 10 p. m. It is open for the faculty at all hours.

In January, 1893, the scientific departments of the college were transferred to Dalton Hall, a stone building erected by the Trustees out of funds in large part contributed by the generosity of friends of the college. Dalton Hall is entirely occupied by the scientific departments, the special scientific libraries, and the consultation-rooms of the professors of science. The first floor and the basement are reserved for physics, the second floor is reserved for biology, the third floor for chemistry, and the fourth and fifth floors for geology. In December, 1893, a greenhouse designed for the use of the botanical department was added to Dalton Hall as the gift of the alumnae and students.

Around Taylor Hall the Trustees have erected halls of residence for the accommodation of students. Plans, drawings, and descriptions of the six halls of residence, Merion Hall, Radnor Hall, Denbigh Hall, Pembroke Hall East, Pembroke Hall West, and Rockefeller Hall, the gift of Mr. John D. Rockefeller, and of the academic buildings, Taylor Hall, the Library, and Dalton Hall, are published in a separate pamphlet to be obtained from the Secretary of the College.

The new gymnasium, erected on the site of the first gymnasium and the gift of the Athletic Association, the alumnae and thirteen neighbors of the college, was completed in February, 1909. It is open to the students from 8 a. m. till 10 p. m., daily, contains a large hall for gymnastic exercises, with a running or walking track for use in rainy weather; a room for the director, and an adjoining room for the examination and record of the physical development of the students, a waiting room, and cloak rooms. In the basement are bathrooms for use after exercise and a swimming-tank, sixty-nine feet long, twenty feet wide, and from four to seven and a half feet deep, given in 1894 by the alumnae, students, and friends of the college, and well supplied with spring boards, life preservers, and other apparatus for the teaching of swimming. The gymnasium is under the charge of a director and two assistants.

On the grounds, separated from other buildings, is the Class of 1905 infirmary opened in October, 1913, with accommodation for patients and nurses, and its own diet kitchens and bath-rooms, wards and private rooms, sun parlour, sun terrace, and two isolation wards.

The Phebe Anna Thorne out-of-door Model School is situated on the campus and has its own out-of-door class room and athletic ground.

A central power-house, which was erected in 1903 as part of the gift of Mr. John D. Rockefeller, furnishes heat, electric light, and hot water for all the college buildings. Steam is conducted through tunnels underground to coils in the basement of each building. Air brought in from the outside is blown through the heaters by powerful fans and distributed to the various rooms, and the piping system is so adjusted as to change the air completely in every room once in every ten minutes throughout the day and night. The temperature is regulated by thermostats in the heating coils as well as in the individual rooms. The electric lights, including electric reading-lamps for each student, are installed in the most approved manner and the voltage is kept constant so that there is no fluctuation. A constant and abundant supply of hot water is laid on and maintained at a temperature of 180 degrees during all the twenty-four hours of the day, in all the bath-rooms and stationary washstands and tea pantries.

The Bell Telephone Company, a branch of the American Telephone and Telegraph Company, maintains telephone pay stations in each of the halls of residence, in the library, and in the gymnasium, by means of which the students may be communicated with at any time. Near the college are a Postal Telegraph-Cable Company office (service 6. A. M. to 12 P. M.), an Adams Express office, a United States money-order office and two banks. There are good roads in every direction. Horses for riding and driving may be kept at livery near the college at a cost of twenty-five dollars a month.

LIST OF DISSERTATIONS

PUBLISHED BY STUDENTS WHO HAVE OBTAINED THE DEGREE OF
DOCTOR OF PHILOSOPHY FROM BRYN MAWR COLLEGE.

- BARTLETT, HELEN. The Metrical Division of the Paris Psalter. 49+[1] p., O. Baltimore, The Friedenwald Company. 1896.
- BORING, ALICE MIDDLETON. A Study of the Spermatogenesis of Twenty-two Species of the Membracidæ, Jassidæ, Cercopidæ and Fulgoridæ. p. 470-512, O. 9 pl. Baltimore, 1907.
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- CLAFLIN, EDITH FRANCES. The Syntax of the Boeotian Dialect Inscriptions. 93 p., O. Baltimore, The Friedenwald Company. The Lord Baltimore Press, 1905.
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- NEILSON, NELLIE. Economic Conditions on the Manors of Ramsay Abbey. 124 p., O. Philadelphia, printed by the press of Sherman and Company. 1899.

* Mrs. S. Prioleau Ravenel.

† Mrs. Emmons Bryant.

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* Mrs. Eric C. W. S. Lyders. † Mrs. Winthrop Merton Rice.

‡ Died, 1905.

- SCHAEFFER,* HELEN ELIZABETH. A Study of the Electric Spark in a Magnetic Field. p. 121-149, 1 pl. O. 1908.
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- WILLIS, GWENDOLEN BROWN. The Ancient Gods in Greek Romance. 54 p., O. Chicago, University of Chicago Press, 1905.

* Mrs William Bashford Huff. Died, 1913. † Died, 1912.
‡ Mrs. Lewis Albert Anderson. § Mrs. George Arthur Wilson.

SCHEDULE OF LECTURES

Hour	Course	Monday	Tuesday
9	MATRICULATION	Greek (Kirk) German (Jeffers)	Greek (Kirk) German (Jeffers)
	GENERAL	Philosophy, Div. A (Fisher) Div. B (Wilm)	Psychology (Wilm)
	MINOR	Greek, Plato (Sanders) French Reading (Schenck) Greek and Roman Architecture (Carpenter) Mathematics, Conics (Scott) Chemistry (Brunel)	Greek, Homer (Wright) French Essayists The Roman World (Carpenter) Mathematics, Trigonometry (Scott) Chemistry (Brunel)
	MAJOR	German Literature (Jessen) Comparative Literature, The Pastoral (Hatcher) Modern History, The Renaissance (Haring) Ancient History, Fifth Century Athens (Ferguson) Psychology, Applied Psychology (Kellogg)	German, Faust (Jessen) Modern History, British Imperial (W. R. Smith) Ancient History, Historians of Rome (Ferguson) Psychology, Educational Psychology (Gordon)
	ELECTIVE	Biology, Theoretical (Tennent)	Physics, Physical Basis of Music (H)
	POST-MAJOR	Inorganic Chemistry (Getman)	Biology, The Nervous System (Moore)
	GRADUATE	Physics (Huff) Geology (T. C. Brown)	Geology (Bascom)
10	GENERAL	English Lit., 2nd yr. (Donnelly)	Eng. Comp., 2nd yr.
	MINOR	English, 19th Century Critics German Grammar (Lasch) Spanish (DeHaan) Comparative Literature, Elizabethan Lyrics (Hatcher) History since 1799, Div. A (Haring) Div. B (Jones) Italian Renaissance Painting (G. G. King) Biology (Tennent)	Spenser and Milton German Literature (Jessen) Spanish (DeHaan) History of the Reformation (W. Smith) History of England since 1066 (Jones) Gothic Architecture (G. G. King) Biology (Tennent)
	MAJOR	Philosophy, Plato and Aristotle (Fisher) Geology (T. C. Brown)	German Idealism (Wilm) Geology (T. C. Brown)
	ELECTIVE		Mathematics Preparatory to Science
	POST-MAJOR	Physics (Howell) Chemistry (Brunel)	Physical Chemistry (Getman)
11	GENERAL	English Lit., 1st yr. (Donnelly)	Eng. Comp., 1st yr.
	MINOR	Ancient History, Oriental (Barton) Economics, Intro. to Economics, Div. A (M. P. Smith) Div. B (Dewey) Philosophy, Modern Philosophical Classics (Wilm) Physics (Huff)	Ancient History, Classical (Ferguson) Politics, Problems in Sociology (Dewey) Philosophy, Elem. Logic (Fisher) Greek Vase Painting (Swindler) Physics (Huff)
	MAJOR	Latin, Tacitus (Wheeler) English, Essay and Novel in the 18th Century Spanish Reading (DeHaan) Mathematics (Conner) Chemistry (Getman)	Latin Literature (Frank) Italian (Holbrook) Spanish Literature (DeHaan) Mathematics (Conner) Chemistry (Getman)
	ELECTIVE		
	POST-MAJOR	Petrography (Bascom)	
	GRADUATE	Systematic Psychology (Ferree)	
12	MATRICULATION	French (Schenck)	French (Schenck)
	MINOR	Latin, Cicero, Div. A (Wheeler) Div. B (Ferguson) Div. C (Swindler) Middle English Romances (C. F. Brown) Italian (Holbrook) Psychology, Experimental (Ferree and Rand) Geology (Bascom)	Latin, Horace, Div. A (Frank) Div. B (Swindler) Div. C (Ferguson) English, Anglo-Saxon (C. F. Brown) Italian (Holbrook) Psychology of Instinct, Emotion and Will (Kellogg) Geology (Bascom)
	MAJOR	Greek, Demosthenes (Sanders) French Literature History, French Revolution (Jones) Economics and Politics, History of Economic Thought (M. P. Smith) History of Art, 17th and 18th Century Painting (G. G. King) Physics (Howell) Biology (Moore)	Greek Literature (Wright) French Reading History, United States from 1865 (W. Smith) Economics and Politics, Social Politics Industrial History (Dewey) History of Art, Renaissance Sculpture (G. G. King) Physics (Howell) Biology (Moore)
	ELECTIVE		Descriptive Astronomy (Conner)
	GRADUATE	Chemistry (Brunel)	Chemistry (Brunel)

RST SEMESTER, 1914-15.

WEDNESDAY	THURSDAY	FRIDAY
<p>Greek (Kirk) German (Jeffers)</p> <p>Philosophy, Div. A (Fisher) Div. B (Wilm)</p> <p>Greek, Plato (Sanders) French Reading (Schenck) Greek and Roman Architecture (Carpenter) Mathematics, Conics (Scott) Chemistry (Brunel)</p> <p>German Composition and Reading (Lasch) Comparative Literature, The Pastoral (Hatcher) Ancient History, The Renaissance (Haring) Ancient History, Fifth Century Athens (Ferguson) Psychology, Applied Psychology (Kellogg)</p> <p>Geology, Geologic and Geographic Control (T. C. Brown)</p> <p>Physiology, Physiological Chemistry (Moore)</p> <p>Physics (Huff)</p>	<p>Greek (Kirk) German (Jeffers)</p> <p>Psychology (Wilm)</p> <p>Greek, Homer (Wright) French Essays (Schenck) The Roman World (Carpenter)</p> <p>Mathematics, Trigonometry (Scott) Chemistry (Brunel)</p> <p>German, Faust (Jessen)</p> <p>Modern History, British Imperialism (W. R. Smith) Ancient History, Roman Life (Frank)</p> <p>Psychology, Educational Psychology (Gordon)</p> <p>Roman Life (Frank) Geology, Meteorology (T. C. Brown)</p> <p>Physics, Journal Club (Huff and Howell) Biology, Journal Club (Tennent, Moore)</p>	<p>Greek (Kirk) German (Jeffers)</p> <p>Philosophy, Div. A (Fisher) Div. B (Wilm)</p> <p>Greek, Sophocles (Sanders) French Composition (Schenck) Greek and Roman Architecture (Carpenter) Mathematics, Conics (Scott) Chemistry (Brunel)</p> <p>German Literature (Jessen)</p> <p>Comparative Literature, The Pastoral (Hatcher) Modern History, The Renaissance (Haring) Ancient History, Fifth Century Athens (Ferguson) Psychology, Applied Psychology (Kellogg)</p> <p>Old Testament Canon (Barton) Geology, Geologic and Geographic Control (T. C. Brown)</p> <p>Biology, Embryology of Vertebrates (Tennent)</p> <p>Physics (Huff)</p>
<p>English Lit., 2nd yr. (Donnelly)</p> <p>English, 19th Century Critics (Lasch) Spanish (De Haan)</p> <p>Comparative Literature, Elizabethan Lyrics (Hatcher) History since 1799, Div. A (Haring) Div. B (Jones)</p> <p>Italian Renaissance Painting (G. G. King)</p> <p>Biology (Tennent)</p> <p>Philosophy, Plato and Aristotle (Fisher) Geology (T. C. Brown)</p> <p>Mathematics, Fundamental Theorems of Mathematics (Scott)</p> <p>Physics (Howell) Chemistry (Macleod)</p>	<p>Eng. Comp., 2nd yr.</p> <p>Spenser and Milton German Literature (Jessen) Spanish (DeHaan)</p> <p>History of the Reformation (W. R. Smith) History of England since 1066 (Jones) Gothic Architecture (G. G. King)</p> <p>Biology (Tennent)</p> <p>German Idealism (Wilm) Geology (T. C. Brown)</p> <p>Mathematics Preparatory to Science (Scott)</p> <p>Physical Chemistry (Getman)</p>	<p>English Lit., 2nd yr. (Donnelly)</p> <p>English, 19th Century Critics (Lasch) Spanish (DeHaan)</p> <p>Comparative Literature, Elizabethan Lyrics (Hatcher) History since 1799, Div. A (Haring) Div. B (Jones)</p> <p>Italian Renaissance Painting (G. G. King)</p> <p>Biology (Tennent)</p> <p>Philosophy, Plato and Aristotle (Fisher) Geology (T. C. Brown)</p> <p>Physics (Howell) Chemistry (Macleod)</p>
<p>English Lit., 1st yr. (Donnelly)</p> <p>Ancient History, Oriental (Barton) Economics, Introduction to Div. A (M. P. Smith) Div. B (Dewey)</p> <p>Philosophy, Modern Philosophical Classics (Wilm)</p> <p>Physics (Huff)</p> <p>Latin, Tacitus (Wheeler)</p> <p>English, Essay and Novel in 18th Century (Holbrook)</p> <p>Spanish Grammar (DeHaan)</p> <p>Mathematics (Conner)</p> <p>Chemistry (Getman)</p>	<p>Eng. Comp., 1st yr.</p> <p>Ancient History, Classical (Ferguson) Politics, Problems in Sociology (Dewey)</p> <p>Philosophy, Elem. Logic (Fisher) Greek Vase Painting (Swindler) Physics (Huff)</p> <p>Latin Literature (Frank) Italian (Holbrook)</p> <p>Spanish Literature (De Haan) Mathematics (Conner)</p> <p>Chemistry (Getman)</p>	<p>English, 1st yr. (Donnelly)</p> <p>Ancient History, Oriental (Barton) Economics, Introduction to Div. A (M. P. Smith) Div. B (Dewey)</p> <p>Philosophy, Modern Philosophical Classics (Wilm)</p> <p>Physics (Huff)</p> <p>Latin, Tacitus (Wheeler)</p> <p>English, Essay and Novel in 18th Century (Holbrook)</p> <p>Spanish Grammar (DeHaan)</p> <p>Mathematics (Conner)</p> <p>Chemistry (Getman)</p> <p>Petrography (Bascom)</p> <p>Systematic Psychology (Ferree)</p>
<p>French (Schenck)</p> <p>Latin, Cicero, Div. A (Wheeler) Div. B (Ferguson) Div. C (Swindler)</p> <p>Middle English Romances (C. F. Brown)</p> <p>Italian (Holbrook)</p> <p>Psychology, Experimental (Ferree and Rand)</p> <p>Geology (Bascom)</p> <p>Greek, Aristophanes (Sanders)</p> <p>French Reading (Schenck) History, French Revolution (Jones)</p> <p>Economics and Politics, History of Economic Thought (M. P. Smith)</p> <p>History of Art, 17th and 18th Century Painting (G. G. King)</p> <p>Physics (Howell) Biology (Moore)</p> <p>Dramatic Technique (Hatcher)</p> <p>Physical Chemistry (Getman)</p>	<p>French (Schenck)</p> <p>Latin, Horace, Div. A (Frank) Div. B (Swindler) Div. C (Ferguson)</p> <p>English, Anglo-Saxon (C. F. Brown)</p> <p>Italian (Holbrook)</p> <p>Psychology of Instinct, Emotion and Will (Kellogg)</p> <p>Geology (Bascom)</p> <p>Greek Literature (Wright) French Composition (Schenck) History, United States from 1865 (W. R. Smith)</p> <p>Economics and Politics, Social Politics (Dewey) Industrial History (Dewey) History of Art, Renaissance Sculpture (G. G. King)</p> <p>Physics (Howell) Biology (Moore)</p> <p>Descriptive Astronomy (Conner)</p> <p>Chemistry Journal Club (Brunel, Getman and Macleod)</p>	<p>French (Schenck)</p> <p>Latin, Cicero, Div. A (Wheeler) Div. B (Ferguson) Div. C (Swindler)</p> <p>Middle English Romances (C. F. Brown)</p> <p>Italian (Holbrook)</p> <p>Psychology, Experimental (Ferree and Rand)</p> <p>Geology (Bascom)</p> <p>Greek, Demosthenes (Sanders) French Literature (Schenck) History, French Revolution (Jones)</p> <p>Economics and Politics, History of Economic Thought (M. P. Smith)</p> <p>History of Art, 17th and 18th Century Painting (G. G. King)</p> <p>Physics (Howell) Biology (Moore)</p> <p>Dramatic Technique (Hatcher)</p> <p>Physical Chemistry (Getman)</p>

SCHEDULE OF LECTURE

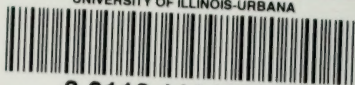
Hour	Course	Monday	Tuesday
2	LABORATORY WORK	Psychology, Minor (Ferree and Rand) Physics, Minor (Huff) Chemistry, Minor (Brunel) Geology, Minor, Field Work (Bascom) Biology, Minor (Tennent)	Psychology, Minor (Ferree and Rand) Physics, Minor (Huff) Chemistry, Minor (Brunel) Geology, Minor (Bascom) Biology, Minor (Tennent)
	ELECTIVE	New Testament Biography (Barton)	New Testament Biography (Barton)
	POST-MAJOR	Greek, Sophocles and Euripides (Sanders) French, Modern French Drama	Greek, Sophocles and Euripides (Sand) French, Modern French Drama Spanish (DeHaan)
	GRADUATE	Economics and Politics, Statistics (Dewey) Mathematics (Scott)	Economics and Politics, Statist (Dewey) Mathematics (Scott)
3	LABORATORY WORK	Psychology, Minor (Ferree and Rand) Physics, Minor (Huff) Chemistry, Minor (Brunel) Geology, Minor, Field Work (Bascom) Biology, Minor (Tennent)	Psychology, Minor (Ferree and Rand) Physics, Minor (Huff) Chemistry, Minor (Brunel) Geology, Minor (Bascom) Biology, Minor (Tennent)
	ELECTIVE	Elocution, Reading of Prose (A. S. King)	Elocution, Reading of Prose (A. S. Ki Advanced Experimental Psychol (Ferree)
	POST-MAJOR	Latin, Vergil (Frank) History, American Constitutional (W. R. Smith)	Latin, Vergil (Frank) History, American Constitutional (W. Smith) Mathematics (Conner)
	GRADUATE	Teutonic Seminary (Lasch) 3-5 Old Spanish, Readings (De Haan) Elementary Semitic Languages (Barton) Psychology Journal Club (Leuba and Ferree) Seminary in Modern Painting (G. G. King) 2-4	Greek Seminary, Attic Tragedy (Sand 3-4.30 Seminary in English Literature 3-4.30 Old Norse (Lasch) Seminary in French Literature 3-4.30 Spanish Seminary (DeHaan) 3-4.30 Comp. Semitic Grammar (Barton)
4	GRADUATE	Seminary, Roman Literature (Frank), 4-6 Seminary in Elizabethan Drama (Hatcher), 4.30-6 Old French Seminary (Holbrook), 4-6 Hebrew Literature (Barton) History Journal Club (Haring, W. R. Smith, and Jones), 4-6. Alternate Weeks Economics Journal Club (M. P. Smith, and Dewey), 4-6. Alternate Weeks Psychology Seminary (Kellogg), 4-6 Mathematics (Conner), 4-6 Seminary in Zoology (Tennent), 4.30-6	Greek Journal Club (Sanders & Wright), 4.30-6. Alternate Weeks Latin Journal Club (Wheeler and Frai 4.30-6. Alternate Weeks Middle English Seminary (C. Brown), 4.30-6 German Journal Club (Jessen and Las 4.30-6. Alternate Weeks Old French Philology, 1st yr. (Holbro 4.30-6 Seminary in European History (Harl 4.30-6 Seminary in Politics, 4-6 Seminary in Philosophical Syst (Wilm), 4.30-6 Mathematical Journal Club (Scott a Conner), Alternate Weeks Seminary in Child Psychology (Casi 4-6
5	GRADUATE	Introduction to Teutonic Philology (Lasch)	

ST SEMESTER, 1914-15 (continued).

WEDNESDAY	THURSDAY	FRIDAY
<p>dy of Poetics (Langdon)</p> <p>Herodotus (Sanders)</p> <p>Advanced Composition (Frank)</p> <p>an, Reading (Jessen)</p> <p>h, Modern French Drama (DeHaan)</p> <p>omies and Politics, Statistics (Dewey)</p> <p>istry (Getman)</p> <p>Historical Grammar (C. F. Brown),</p> <p>Provençal (Holbrook)</p> <p>Geological Seminary (Carpenter), 2-4</p>	<p>Psychology, Minor (Ferree and Rand)</p> <p>Physics, Major (Howell)</p> <p>Chemistry, Major (Getman)</p> <p>Geology, Major (T. C. Brown)</p> <p>Biology, Major (Moore)</p> <p>Greek, Theocritus (Wright)</p> <p>German Literature (Jessen)</p> <p>French, Lyric Poetry (Schenck)</p> <p>England since 1714 (Jones)</p> <p>Ancient History, The Hellenistic Age (Ferguson)</p> <p>Economics and Politics, American Social Problems (M. P. Smith)</p> <p>English Enunciation (A. S. King)</p> <p>Seminary in Comparative Literature (Hatcher), 2-4</p> <p>Old French Readings (Holbrook)</p>	<p>Psychology, Minor (Ferree and Rand)</p> <p>Physics, Major (Howell)</p> <p>Chemistry, Major (Getman)</p> <p>Geology, Major (T. C. Brown)</p> <p>Biology, Major (Moore)</p> <p>Greek, Theocritus (Wright)</p> <p>German Literature (Jessen)</p> <p>French, Lyric Poetry (Schenck)</p> <p>England since 1714 (Jones)</p> <p>Economics and Politics, American Social Problems (M. P. Smith)</p> <p>Old Provençal (Holbrook)</p>
<p>y Themes (Crandall)</p> <p>imentation (Shearer)</p> <p>n, Vergil (Frank)</p> <p>ory, American Constitutional (W. Smith)</p> <p>hematics (Conner)</p> <p>man, Metrics (Jessen)</p> <p>iv Testament Greek Seminary (Barton)</p> <p>istical Sociology (Dewey)</p>	<p>Psychology, Minor (Ferree)</p> <p>Physics, Major (Howell)</p> <p>Chemistry, Major (Getman)</p> <p>Geology, Major (T. C. Brown)</p> <p>Biology, Major (Moore)</p> <p>Descriptive Writing (Langdon)</p> <p>Education (Gordon)</p> <p>Roman Elegy (Wheeler)</p> <p>History, England under the Tudors (Haring)</p> <p>Greek Seminary, Attic Tragedy (Sanders) 3-4.30</p> <p>Seminary in English Literature 3-4.30</p> <p>Comp. Teutonic Grammar (Lasch)</p> <p>Seminary in French Literature, 3-4.30</p> <p>Spanish Seminary (DeHaan) 3-4.30</p> <p>Ethiopic (Barton)</p> <p>Philosophical Journal Club (Wilm and Fisher), 3-4.30</p>	<p>Psychology, Minor (Ferree)</p> <p>Physics, Major (Howell)</p> <p>Chemistry, Major (Getman)</p> <p>Geology, Major (T. C. Brown)</p> <p>Biology, Major (Moore)</p> <p>Education (Gordon)</p> <p>Roman Elegy (Wheeler)</p> <p>History, England under the Tudors (Haring)</p> <p>English Journal Club (C. F. Brown, Donnelly, Hatcher), 3-4.30. Alternate Weeks</p> <p>Old Norse (Lasch)</p> <p>Romance Languages Journal Club (De Haan, Holbrook, and Schenck, 3-4.30. Alternate Weeks</p> <p>Archæological Journal Club (Carpenter), 3-4.30. Alternate Weeks</p>
<p>in Seminary (Wheeler), 4.30-6</p> <p>Seminary in English Literature (Donnelly), 4-6</p> <p>Idle High German (Lasch)</p> <p>Seminary in French Literature, 4-6</p> <p>Advanced Italian (Holbrook), 4-6</p> <p>Seminary in American History (W. R. Smith), 4-6</p> <p>Advanced Psychology Applied to Teaching (Rand)</p> <p>Seminary in Zoology (Tennent) 4.30-6</p>	<p>Middle English Seminary (C. F. Brown), 4.30-6</p> <p>Seminary in German Literature (Jessen), 4-6</p> <p>Old French Philology, 1st yr. (Holbrook), 4.30-6</p> <p>Semite Seminary (Barton)</p> <p>Seminary in European History (Haring), 4.30-6</p> <p>Seminary in Philosophical Systems (Wilm), 4.30-6</p> <p>Education Journal Club (Gordon and Castro), 4.30-6</p> <p>Mathematics (Scott), 4-6</p> <p>Seminary in Physiology (Moore) 4-6</p>	<p>Latin Seminary (Wheeler), 4.30-6</p> <p>Middle High German (Lasch)</p> <p>Seminary in Elizabethan Drama (Hatcher), 4.30-6</p> <p>Seminary in Aramaic and Arabic (Barton)</p> <p>Seminary in Economics (M. P. Smith), 4-6</p> <p>Seminary in Methods of Teaching (Gordon), 4-6</p>
		<p>Spanish Philology (DeHaan)</p>



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